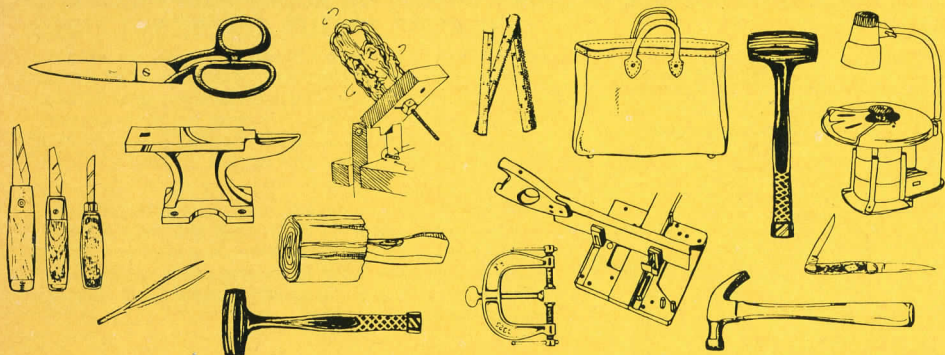


**OVER 200
NEW ITEMS**

TOOLS

SPRING-SUMMER CATALOG - 1976



LEICHTUNG inc.

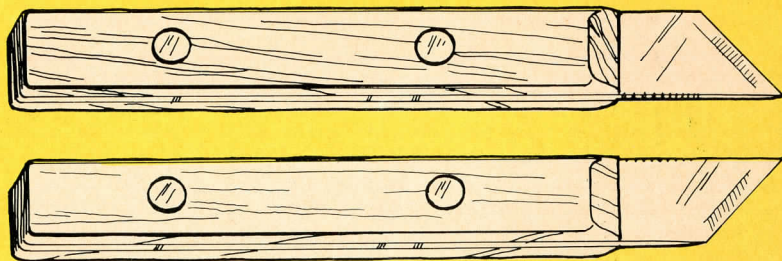
701 BETA DRIVE #17 CLEVELAND, OHIO 44143 / PHONE (216) 461-4677

ERNIE'S CARVING KNIVES PROVIDE LEFT AND RIGHT CUTS.

Handmade by Ernie Conover, these are masterpieces of an ancient art. We refuse to let "Mass Production" ruin everything in our world so we proudly present these to you. Opposite bevels provide both push and pull skew cuts. The perfectly shaped and heat treated blade runs the full length and width of the beautiful handle, permitting great thumb or finger pressure where it is needed without danger of damage to the knife. Each knife is 6" long and $\frac{3}{4}$ " wide.

The blades are made of high speed tool steel with a Rockwell hardness of C59-61. In each set, one handle is dark, rich walnut and the other is clear cherry for easy identification. They are attached to the blade with two heavy duty, lifetime brass rivets. Sold only as set of two. Quantities are, naturally, limited.

EKRL Ernie's right/left 2 piece knife set.....\$24.95



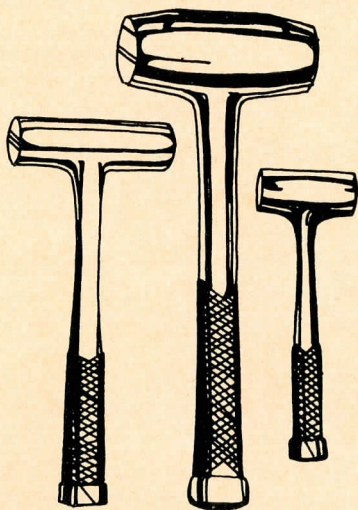
ERNIE'S INSTRUMENT MAKERS' KNIFE IS PERFECT COMPLEMENT TO ERNIE'S CARVING KNIVES

We asked Ernie Conover to design and produce this third model (not shown) in the same size and shape as his excellent carving knives, but beveled on both sides in the manner of the instrument makers' knife used by guitar and violin makers. We are delighted to offer it to you as an important tool all by itself or as the third knife in an outstanding carving set.

Just like the others, the knife is 6" long x $\frac{3}{4}$ " wide with the same full width, full length high speed tool steel blade hardened to Rockwell C59-61. Flawless cherry or walnut handles are permanently fastened with brass rivets. Truly a delightful knife to own and use. Quantities limited.

EK1 Ernie's Instrument Makers' Knife\$13.95

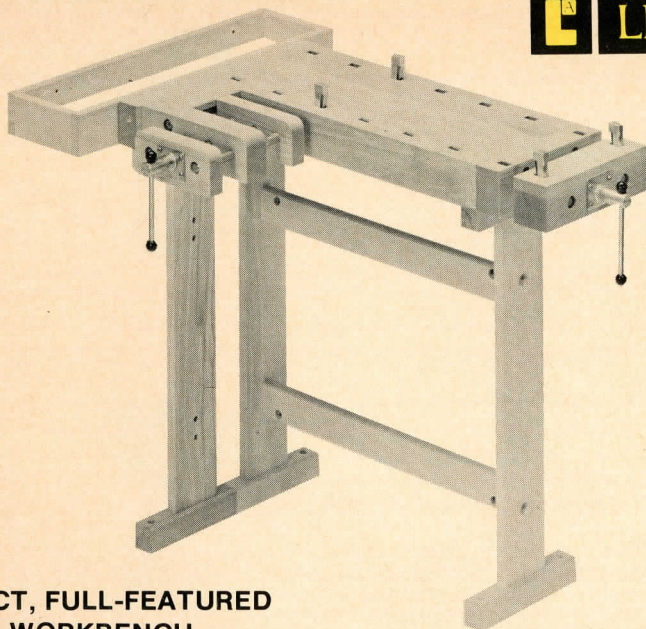
BOUNCELESS HAMMERS CAN'T SPARK OR MARK SURFACES AND ARE JUST ABOUT INDESTRUCTIBLE.



Tough, yet gentle, these bounceless, compothane hammers will outlast rawhide, nylon, rubber, brass or lead by 10 to 20 times, depending on use. They cannot come apart because they are made in one piece. The faces will not mushroom, shatter, pick up chips or absorb liquids. The dead blow feature prevents injuries and fatigue. Exceed all OSHA requirements.

These hammers are so rugged, even the handle can be used for hammering! Great for both wood and metal working. (Not bad as carver's mallets either - save on tool handles.) Broadfaced models ideal for construction, assembly, installation and repairs. Longhead models made to reach difficult places - with power.

| | |
|---|----------------|
| 1-HD 1½ lb. Broadface Model; 1¾" Face x 3¾" Head x 11" Length | \$12.95 |
| 3-HD 3 lb. Broadface Model; 2½" Face x 4¾" Head x 14" Length | \$18.95 |
| X2-HD 1½ lb. Longhead Model; 1¼" Face x 4¼" Head x 10½" Length | \$10.95 |
| X1-HD 2 lb. Longhead Model; 1¾" Face x 5¼" Head x 13" Length | \$14.95 |
| 4HD1 7 lb. Mini-Sledge Model; 2¾" Face x 7" Head x 20" Length | \$39.95 |



COMPACT, FULL-FEATURED LERVAD WORKBENCH

For those of you who find the lack of workspace a major consideration but need the total versatility of a Lervad system . . . here's your answer! A compact 38½" long (not including the spindle head), 25½" wide (at the tool well end) and 31" high . . . the 609 includes a shoulder vise for vertical holding, a tail vise for horizontal holds and the exclusive Lervad 4 point surface-hold system. The Model 609 functions exactly the same way as the larger 610 and the massive 611 (see pages 46, 47, 48). The tool well of the 609 is permanently fixed at the end.

It is suggested that the bench be mounted to the floor or to rails or a plywood base for greater stability. Weighs 60 lbs. All necessary hardware included.

MODEL 609 **\$179.00 FRT. COLLECT**



CARVER'S OR HOBBYIST BENCH

By Lervad of Denmark, this unique bench displays all the exceptional craftsmanship of the bigger 610 and 611 models. Constructed of solid Danish beech, the 6200 also includes the 4-point hold system, precision tail vise, and upper vise jaws inlaid with hornbeam for durability.

Only 30¾" high, 31½" long and 10½" wide, this bench is ideal for kit assembly, framing, and all kinds of hobbycraft. It may be permanently mounted to the floor or on 2" x 4" rails or plywood base for greater stability. Setup instructions included.

MODEL 6200 **\$109.00 FRT. COLLECT**

**REMARKABLE
"INVISIBLE WHEEL"
BENCH GRINDER
ELIMINATES ALL GRINDING
ERRORS, RUINED TOOLS**

This industrial quality machine is not for everyone. If you use edge tools frequently - chisels, planes, turning or sculpturing tools and the like - and you really care about perfectly ground edges, this unique tool is for you. A great favorite of jewelers, die-casters, tool and patternmakers and serious hobbyists.

The operation is simple: The horizontal grinding wheel is perforated by six slots radiating from near the center of the wheel to near the outer edge. As the wheel turns at 3200 RPM, any tool held against the *underside* becomes clearly visible as if you were looking through the blades of a spinning airplane propeller. With the light illuminating the work from above you can actually *see* the surface being ground while it is happening. There is never any guesswork about how much metal you are removing.

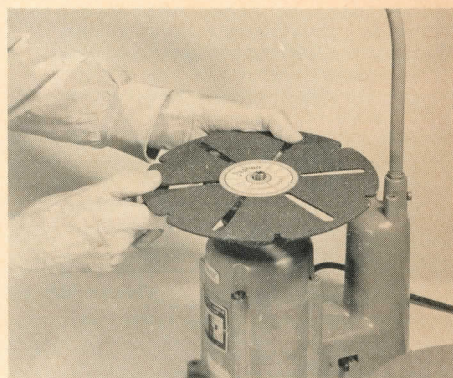
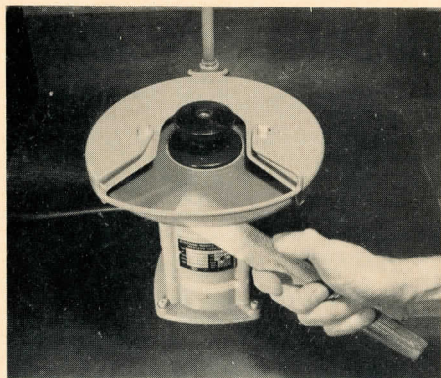
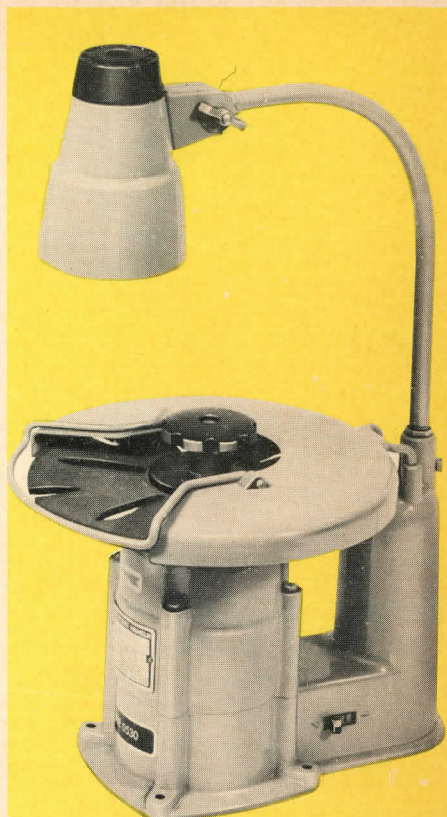
The 110 volt motor, fully enclosed with factory lubricated bearings made for vertical operation, will give many thousands of hours of trouble-free service.

This Invisible Wheel Grinder will do the job faster, more accurately and safer than conventional bench grinders because sparks and particles are thrown downward. Because the flat of the wheel is used you enjoy longer wheel life and reduce "burning". Wheels may be changed in seconds by fast removal of the retaining knob. Six edge slots make grinding in grooves and slots easy.

Each machine comes with an EF60 medium grit wheel for grinding high speed alloy steel as used in most knives and shop tool blades. A wide variety of other grits and compositions of wheels is also available.

There are more than 50,000 Invisible Wheel Grinders presently in use by Oberammergau Carvers and in shops, mills, foundries and other industrial plants throughout Europe.

SL100 Invisible Wheel Grinder \$249.95



"INVISIBLE WHEEL" GRINDER WHEELS

Invisible Wheel Grinder wheels are available in a variety of grits and materials for grinding, finishing and polishing hard and soft, ferrous and non-ferrous metals.

The "ER", "EF", "C", and "SEC" grinding wheels listed below are made of abrasives of various grits and types resin bonded to metal cores. Polishing wheels are either flint-hard felt (FHF) or cotton reinforced, abrasive impregnated (RC).

When ordering, specify *type* and *grit* desired. For example: ER60, C90, SEC46, etc.

Wheels of various types and grits may be combined to qualify for the "3 and up" price.

Grits 36 and 60 are "medium", used to remove larger amounts of metal quickly.

Grits 80 to 120 are "fine", used for general grinding.

Grits 150 and up are "very fine" and are used primarily for finishing.

Abrasive Wheel ER For structural steel, cast steel, malleable cast iron and sometimes for gray cast iron. Available in 60, 90, 120, 150, 180 and 220 grits..... **\$17.95 ea.**
3 and up - **\$16.00 ea.**

Abrasive Wheel EF For high speed alloyed tool steels. Available in 60, 90, 120, 150, 180 and 220 grits **\$17.95 ea.**
3 and up - **\$16.00 ea.**

Abrasive Wheel C For aluminum and other low tensile, non-ferrous metals, gray cast iron and non-metallic materials. Available in 60, 90, 120, 180 and 220 grits **\$17.95 ea.**
3 and up - **\$16.00 ea.**

Abrasive Wheel SEC For hardened steel and milling cutters. Available in 36, 46, 60, 80, 120 grits **\$27.95 ea.**
3 and up - **\$25.00 ea.**

Polishing Wheel FHF-6 6" flint hard felt, 6" x 1/2" bevelled. 6 splits, general use **\$14.95 ea.**
3 and up - **\$13.50 ea.**

Polishing Wheel FHF-8 8" flint hard felt, 8" x 1/2" bevelled, 6 splits, general use **\$19.50 ea.**
3 and up - **\$17.50 ea.**

Polishing Wheel RC-120 6" cotton reinforced, abrasive impregnated, 120 grit. 6" x 3/8" bevelled, 4 splits. Used by jewelers, tool and diemakers, aircraft and auto workers..... **\$16.95 ea.**
3 and up - **\$15.00 ea.**

Polishing Wheel RC-180 exactly as RC-120 above except with finer 180 grit..... **\$16.95 ea.**
3 and up - **\$15.00 ea.**

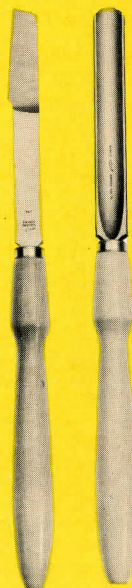
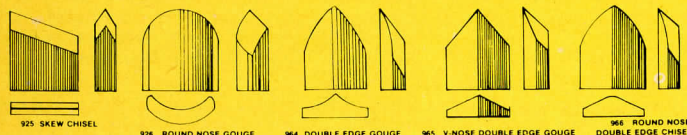
Polishing Wheel RC-320 exactly as RC-120 above except with extra fine 320 grit **\$16.95 ea.**
3 and up - **\$15.00 ea.**

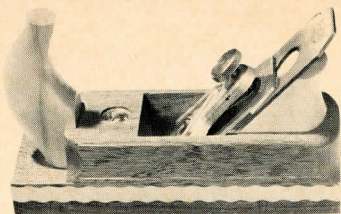
FINEST SWEDISH TURNING TOOLS AT SPECIAL PRICES - A GREAT VALUE

World renowned Bahco turning tools, forged from tough Swedish steel and hardened the length of the blade for many years of hard use. Handles of turned beech are extra long and shaped for comfort, excellent balance and professional "feel". All are ground, honed and just about ready to use. Quantities limited.

| | |
|---|--------------------------------|
| 925-1/2 1/2" Skew Chisel | 925-3/4 3/4" Skew Chisel |
| 926-3/8 3/8" Round Nosed Gouge | 926-1/2 1/2" Round Nosed Gouge |
| 926-3/4 3/4" Round Nosed Gouge | |
| 964-5/8 5/8" Double Edged Turning Gouge | |
| 965-1/2 1/2" V-Nosed Double Edged Turning Gouge | |
| 966-1/2 1/2" Round Nosed Double Edged Turning Chisel | |
| B800 Set of 8 Tools Listed Above - Formerly \$79.95..... | \$55.00 |

| | |
|---|----------------|
| 964-3/8 3/8" Double Edged Turning Gouge | |
| 964-7/8 7/8" Double Edged Turning Gouge | |
| 965-7/8 7/8" V-Nosed Double Edged Turning Gouge | |
| 966-7/8 7/8" Round Nosed Double Edged Turning Gouge | |
| B400 Set of 4 Tools Listed Above - Formerly \$41.95..... | \$27.50 |



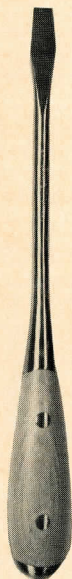


SUPERB REFORM SMOOTHING PLANE COMES FROM DENMARK.

Undoubtedly the finest wooden bodied plane available, this masterpiece of joinery has a red beech body on a hornbeam base and the rock-hard lignum vitae sole has natural oils which lubricate and make planing easy. Throat adjusts to permit variable shaving thicknesses. This is particularly important to prevent tearing of grain when planing very hard or burl'd stocks. Leaves final "glass" finish.

2½" iron is world's finest Swedish steel by E. A. BERG. 8¾" long.

LJ-31 Reform Smoothing Plane \$32.95



"CENTURY" SCREW-DRIVERS - THE ONES YOU CAN'T KILL.

If your Grandfather was a craftsman he may have owned a set of these. And they're probably still around doing their job because they were made to last. The heavy duty, tempered blade is one high carbon steel mass from the carefully ground tip to the broad, hammerable butt. The oval hardwood handles are handsome, comfortable and securely riveted to the tang.

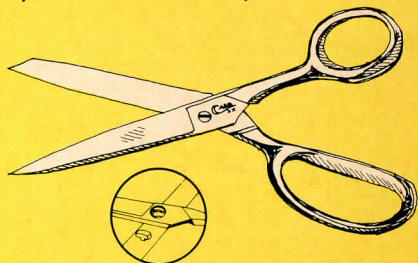
Your Dad isn't ready to give up his set, so order your own and get to know what "tough" is!

| Item No. | Blade Length | Blade Width | Overall Length | Price |
|----------|-----------------------|-------------|----------------|---------------|
| 6004 | 4" | 5/16" | 8 5/8" | \$2.50 |
| 6006 | 6" | 3/8" | 11 1/8" | \$3.50 |
| 6008 | 8" | 7/16" | 14 1/2" | \$4.50 |
| 6468 | Set of all 3 of above | | | \$9.95 |

QUALITY HOUSEHOLD SHEARS MADE BY CASE XX.

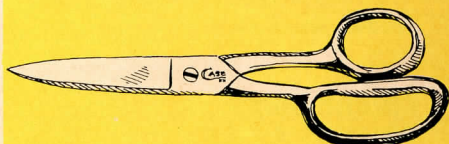
In our continuing world search for the finest tools, we sometimes find the best are made right in our own back yard. So it is with Case XX Scissors, made in Western Pennsylvania for over 100 years.

All Case XX Shears are hot drop-forged, fully plated and have functioning screws for easy adjustment and disassembly.



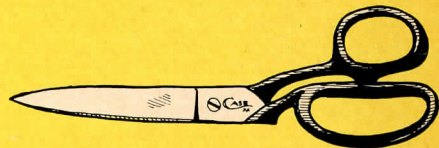
The Case XX Kitchen Shear, hand made from specially formulated steel, is 8½" long and double chrome plated over nickel. The blades, one serrated and one knife edge, give a 3" cut. A special screw device permits the blades to disengage without removing the screw . . . a necessity for a shear used for cutting food because it permits easy cleaning.

47 Case Kitchen Shear \$12.95



The Case XX Household Shear is a fully nickel plated beauty, 8" long with a 3 7/8" cut. It is tough and rugged, ideal for all general purpose cutting. Knife edges hold an edge for years.

20-8 Case Household Shear \$11.95



The Case XX Bent Trimmer has many special uses and is most desired by dressmakers, seamstresses and anyone who cuts man-made fibers. One blade is corrugated, the other knife edged to prevent unravelling on cut ends. Offset handles make the job easy. Full nickel plated with black enameled handles. One corrugated blade 8" long with 3 7/8" cut. Superb in gardening uses!

40-8SE Case Bent Trimmer..... \$13.95



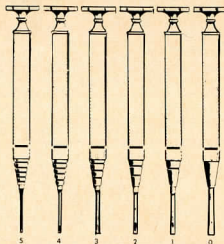
CANVAS APRON IS GREAT FOR MANY USES

Fourteen shapes and sizes of pockets, and tool loops on both sides, make this fine apron especially useful to craftsmen, gardeners and hobbyists. Two bulge pockets hold seed probes or any other smaller tools without their being lost in the bottom. Loops hold hammers, trowels, cultivators and other tools. Adjustable shoulder straps pass through D-rings and tie behind. Won't pull or bind.

Sturdily constructed of heavy canvas and double stitched throughout. 19½" long for protection as well as greatest utility.

C7M Short Canvas Bib Apron \$4.50

MINIATURE SCREWDRIVER SET, MADE TO GOVERNMENT SPECS



No screw slot is too small for one of these little screwdrivers. Each precision tool is made with utmost care, from the swivel head to the knurled, nickel plated body, to the tempered steel tips. The screw type chucks are knurled to permit easy removal of blades for replacement or regrinding. Each chuck is grooved for easy size identification, 3½" average length. Jeweler's quality.

Six piece set consists of six blade widths: .100", .080", .070", .055", .040", .025" in snap-button plastic case.

SPC600 Miniature Screwdrivers \$5.95



THE WORLD'S LEADING SAWMAKER'S NUMBER ONE SAW.

Most experts agree that Sandvik of Sweden makes the best handsaws. We've picked the top of the Sandvik line for you. Made of Swedish alloy steel, specially formulated for keen cutting qualities, it is also hardened by a unique method which assures exceptional sharpness and great flexibility which distinguishes a great panel saw.

Outstanding features include: ship point, lightweight pattern, straight back, high crown tooth line, fully taper-ground, very highly polished blade, comfortably formed laminated handle secured with four nickel-plated brass screws.

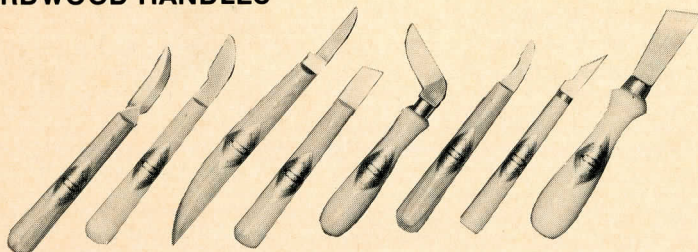
271-8 26" 8-Point Crosscut..... \$14.95

271-10 26" 10-Point Crosscut..... \$15.95

271-12 26" 12-Point Crosscut..... \$16.95

271-R 26" 5½-Point Ripsaw \$15.95

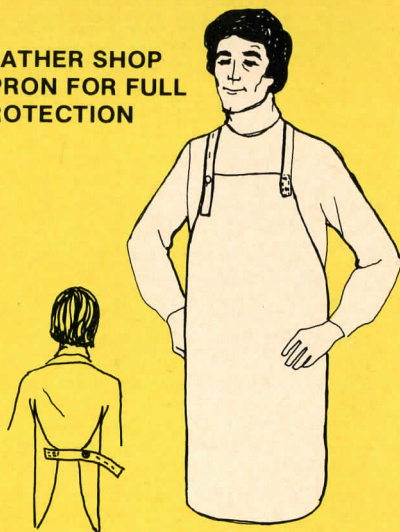
8 PIECE CHIP CARVING SET FEATURES KNIFE QUALITY BLADES, WITH HARDWOOD HANDLES



These neatly shaped tools will make just about any kind of cut a whittler or chip carver would want. The fine hardwood handles are comfortably long - 5" to 6½". Blades of easy-to-handle special knife alloy will take and hold a razor edge.

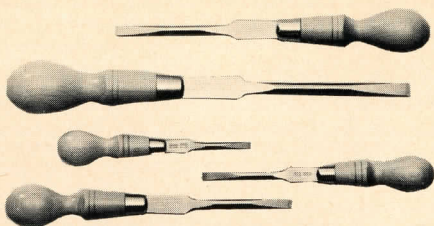
HBR8 8 Piece Chip Carving Set..... \$18.00

LEATHER SHOP APRON FOR FULL PROTECTION



A full 42" long to provide complete protection - even for big men. Three pounds of rugged beauty. Crafted of pliable suede finish, heavy duty, pearly grey, split-chrome cowhide. Neck and waist straps are double stitched of the same cowhide and reinforced with rust resistant rivets. The strap buttons are classic "13 star" rustproof metal and are also riveted. Undoubtedly the finest shop apron you will ever own.

5145 Leather Shop Apron **\$19.50**



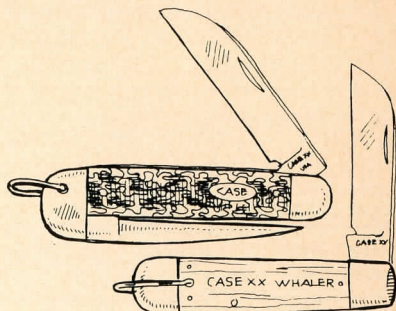
ENGLISH CABINETMAKERS' SCREWDRIVERS HAVE COMFORTABLE OVAL BEECHWOOD HANDLES - NATURAL FINISH

True to the cabinetmakers' tradition! Each perfectly tempered tool has a flattened area below the ferrule to accommodate a wrench for just the right torque.

Specifically designed for wood screws (not machine screws). Five piece set includes lengths of (from ferrule to tip), 3", 4", 5", 6" and 8". Hand turned, lacquered handles are in proportion to blade sizes. A pleasure to own and use.

F555 Cabinetmakers' five piece screwdriver set..... **\$14.95**

FAMOUS CASE XX KNIVES HAVE UNUSUAL FEATURES



Case XX knives are the acknowledged world standard for quality. They are also the leaders in designs for special purposes.

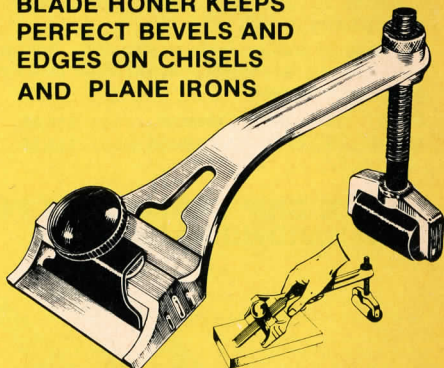
The world's standard "Rigger's Knife" has a stainless steel sheep foot blade on one side and a very heavy duty marlin spike on the other. It also has a lanyard loop to prevent loss. Lining is brass and bolsters are nickel silver for rust-proof service. The knife is 4 3/8" closed.

The original "Sailors or Grafting Knife" has one sheep foot blade of stainless steel. Lining is rustproof brass and handle is of smooth, polished hardwood. It also has a lanyard loop to prevent loss. Knife is 4 1/8" closed.

6246 Rigger's knife..... **\$15.95**

1199 Sailor's or Grafting knife..... **\$9.50**

BLADE HONER KEEPS PERFECT BEVELS AND EDGES ON CHISELS AND PLANE IRONS



Simply insert blades into frame and lock in place with large knob. With edge of blade on the stone and roller on table or bench, adjust roller screw so that correct bevel of blade is flat on the stone. A few strokes back and forth will restore the blade edge to original sharpness.

The sturdy, die-cast frame is durable and tough. Blade capacity up to 2 5/8" wide. Roller is smooth turning, screw is black oxide.

810 Chisel and plane blade honer..... **\$7.50**



NO WOODWORKER CAN FUNCTION WITHOUT THIS BASIC TOOL USED FOR MEASURING, SQUARING AND MARKING WOOD

This fine, 8" try-square has rugged steel blade with black oxide finish and contrasting white graduations in $\frac{1}{8}$ " increments on both sides. The rosewood finished handle has brass faceplate and trim. Just beautiful!

830 Steel, brass & rosewood try-square... \$7.50



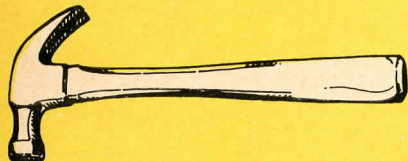
HANDY MAGNETIC TOOL HOLDS BRADS, FINISHING NAILS TOO SMALL FOR FINGERS

Holding small nails in proper angle and position is easy work for this handsome, handy tool. The $5\frac{1}{2}$ " knurled aluminum body is tipped with a powerful, permanent alnico magnet, slotted to hold the nail without slipping. Also useful for collecting metal dust and chips from drill holes and retrieving parts.

Handy pocket clip prevents loss.

386 Magnetic Holder.....\$1.95

TRADITIONAL CARPENTERS' 16 OZ. HAMMER MOST POPULAR FOR ALL WORK



If you had to choose one hammer - and only one - this would have to be it. The comfortable, triple steel wedged, flame treated, octagon hickory handle lets you pound all day without wearing you out. . . . The drop-forged head, polished to a luster, will *never* wear out. Claws shaped to do the job. 13" long.

V16 16 oz. Carpenters' hammer..... \$8.95

RUGGED CANVAS SHOP APRON PROVIDES PROTECTION AND CONVENIENCE



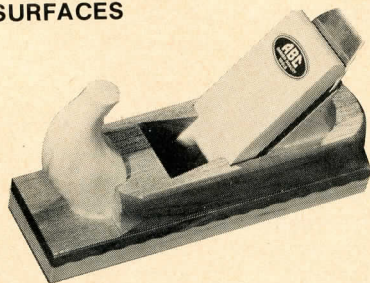
Here's a traditional bib style shop apron which has been a favorite with craftsmen for years - and for good reason.

Fashioned in heavy blue denim and polyester, it is double stitched throughout with heavy bar tacking at points of stress. Waist pockets are big and roomy, just right for small tools, plans, wiping cloths, etc. The bib pockets are slotted into small compartments, designed for pencils, rules, nail sets and other small items so that they won't fall to the bottom. Loop neck and waist tie straps.

38" long, it falls below the knees for maximum protection.

37-DM Canvas craftsman's apron \$3.95

HANDSOME WOODEN SMOOTHING PLANE PRODUCES SMOOTH, CLEAN SURFACES



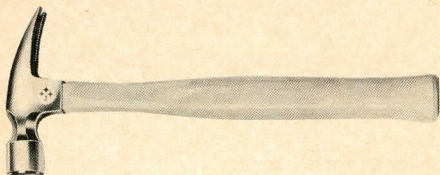
Richly colored, tough pearwood is joined to a hard hornbeam sole to create a perfect, warp-proof wedding of high quality woods in this woodworker's delight. Used for smoothing roughed-out work, it cuts long, even, with-the-grain shavings.

The blade is 2" wide, high quality Swedish steel. Front horn, rear handrest and retaining wedge are also hornbeam. Wedge is loosened by tapping striking knob. An important tool for the traditional wood craftsman.

LJ-27 Wooden bodied smoothing plane. \$16.95

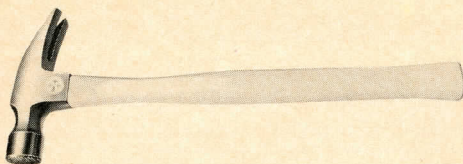
SUPER FRAMING HAMMER HAS NON-SLIP MILLED FACE

Here's the big brother (28 oz.) in our family of drop-forged hickory handled hammers. This one has an extra feature not found in most hammers; the face is milled. This means that the hammer will not glance off the nail head even if you strike it with the edge of the face or at an angle. For construction and other big work, where efficiency and energy saving - not delicacy - are foremost.



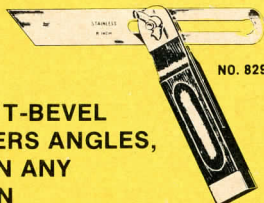
A milled face hammer just a little bit shorter and lighter (16" and still a hefty 20 oz.) might be just the right ticket for the weekend carpenter - who wants to lift his arm come Monday morning! (Same great quality.)

999M Heavy duty framer with milled face **\$11.95**



Highest quality tool steel, ground and polished to precision balance. Full sweep claws. Triple wedged with tapered inner eye to assure permanent tightness of handle. 18" long, a real tiger!

606M Super framing hammer with milled face **\$12.95**



NO. 829

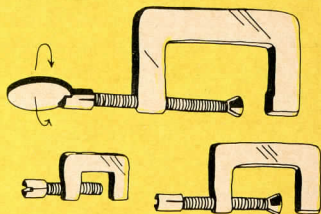
SLIDING T-BEVEL TRANSFERS ANGLES, LOCKS IN ANY POSITION

This beautiful tool is indispensable to craftsmen and carpenters who transfer, duplicate or mark out odd angles. It transfers bevels, angles and mitered ends accurately and quickly because the blade locks positively in any desired position.

The 8" stainless steel blade is precision machined. The rosewood finish handle has solid brass trim and brass wingnut.

829 Sliding T-bevel **\$6.00**

THREE MINI-CLAMP SET HAS MANY USES

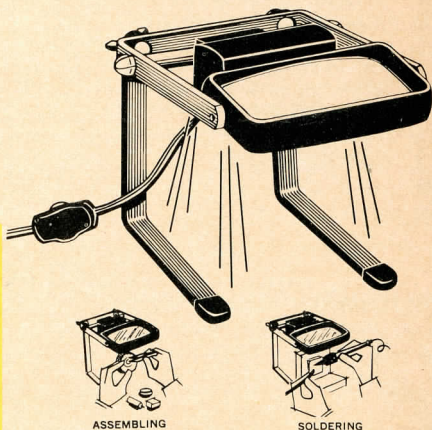


These tough little clamps are indispensable to hobbyists, modelmakers and machinists who work on small parts.

Positive parallel action grips even smooth surfaces. Cad-plated screws have $\frac{1}{4}$ " hex and slotted ends for tightening or loosening even with a coin. All parts are hardened carbon steel with enamelled frame. Low cost makes it possible for these clamps to be used as permanent fixing devices. Capacities: $\frac{1}{2}$ ", $\frac{7}{8}$ ", $1\frac{1}{2}$ "; center depths: $\frac{3}{10}$ ", $\frac{9}{16}$ ", $\frac{7}{8}$ ".

747 Set of 3 mini-clamps **\$2.65**

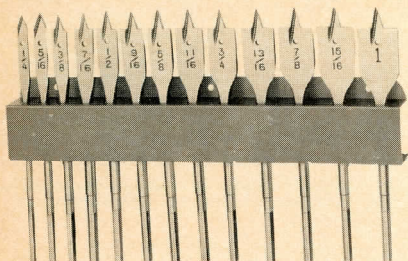
ILLUMINATED MAGNIFIER FOR MINIATURE WORK, SMALL CRAFTS, STAMP AND COIN COLLECTORS, HOBBYISTS



Both hands remain free for exacting work with perfect visibility. Large 4" x 2" optically ground, high quality lens and the lamp-frame adjust separately to required height and focus range. The standard 7 watt bulb will illuminate a magnified area about 6" x 4". Sturdy extruded aluminum stand is 5" x 5" x 5" and folds for storage. 6 ft. U.L. approved cord with on/off switch.

1050 "Hands-free" illuminated magnifier **\$14.95**

SPADE DRILL BITS CUT FAST, CLEAN, BIG HOLES IN WOOD



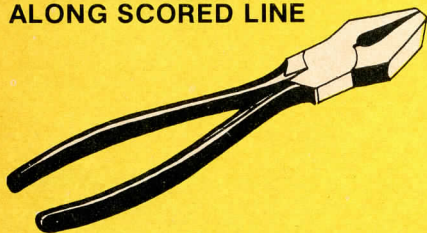
For all $\frac{1}{4}$ " or larger electric drills or drill presses. Especially handy in drilling holes for conduit, pipe, dowels or other jobs which require high speed drilling or boring. Set comes in 13 sizes, $\frac{1}{4}$ " to 1", in $\frac{1}{16}$ " steps. Bits are one-piece tool steel, heat-treated for added strength when drilling hardwoods at high speed. Hollow ground points require no starter holes. Can drill straight or angled holes with equal accuracy. Shanks are accurately ground in hex shape for better chiseling.

Diameter sizes are marked on both sides in large numbers.

Handy metal wall rack protects bits against loss or damage, makes selection easy.

8813 13 pc. spade drill bit set for wood. **\$15.50**

SPECIAL PLIER MAKES IT EASY TO BREAK GLASS ALONG SCORED LINE

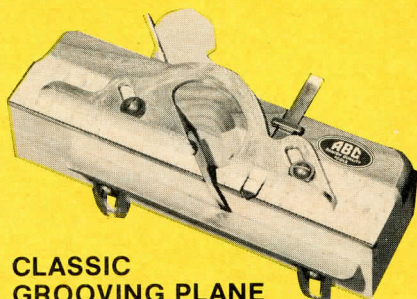


This extra fine, forged steel plier solves the problem of how to break off the waste edge when it is too narrow to grasp. The jaws of the deep-throated glass plier will reach in up to $1\frac{3}{4}$ " from the edge and clench the waste piece firmly along the score. A quick twist will remove the unwanted edge.

Also good for pecking away the ragged edges from an uneven cut . . .

Durably constructed with box joint for permanent alignment, chrome plated for beauty and resistance to rust. About 8" long, jaws flare to nearly 1" wide at the tip. Takes glass up to $\frac{1}{2}$ " thick.

938W Glass plier. **\$9.95**



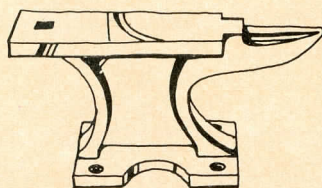
CLASSIC GROOVING PLANE HAS MODERN ENGINEERING FOR FLAWLESS CUTS

The special features of this magnificent tool cannot be shown in a picture. First of all, the beautiful red beech block has a right shoulder of grained fruitwood. This combination permanently prevents warping. There is a tough, lignum vitae insert beside the spur to give smoother cuts. The high quality tool-steel spur is fully adjustable for cross-grain rabbeting and may be fully retracted for with-the-grain rabbets. The fine Swedish steel iron is set at an angle for smooth cutting, even across the grain.

The tool is $9\frac{3}{4}$ " long, $2\frac{1}{4}$ " wide, $2\frac{7}{8}$ " high and has a $1\frac{1}{2}$ " cutting iron. Width of rabbet can be accurately set up to $1\frac{1}{8}$ ", depth to $\frac{5}{8}$ ".

If you really cherish fine woodworking tools, you'll love this one.

LJ-47 Wooden grooving plane. **\$27.95**



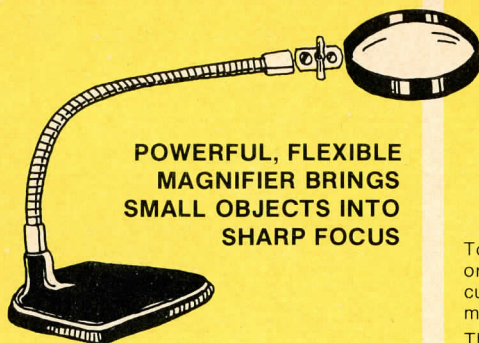
MINIATURE ANVIL SCALED FOR FINE AND SMALL WORK

This beautiful little anvil is made in Spain, land of the legendary Toledo steel. Ideal for metalcraft artists, jewelry craftsmen, hobbyists and modelmakers and anyone else who works with small parts.

Only $5\frac{1}{4}$ " long, $1\frac{5}{8}$ " wide and $2\frac{1}{2}$ " high, the horn is $1\frac{1}{2}$ " long. The flat working surface is $3\frac{1}{2}$ " x $1\frac{5}{8}$ ". The base has four holes for permanent mounting and is $2\frac{1}{4}$ " x $2\frac{3}{4}$ ". Anvil weighs $1\frac{1}{4}$ lbs.

The anvil is burr free and carefully polished to a satiny luster - so handsome, it can serve as a paperweight on your desk!

111 Miniature craftsman's anvil **\$4.95**

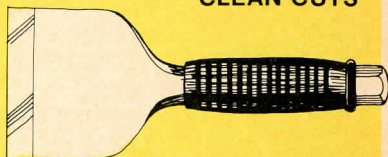


**POWERFUL, FLEXIBLE
MAGNIFIER BRINGS
SMALL OBJECTS INTO
SHARP FOCUS**

This precision ground and polished 4" diameter lens is mounted on a chrome plated, flexible gooseneck with a ball joint swivel to permit easy positioning. Sturdy, cast iron base holds the unit firmly where you place it.

549 Gooseneck magnifier..... \$16.95

**BIG, TOUGH
BRICKLAYERS'
CHISEL MAKES FAST,
CLEAN CUTS**

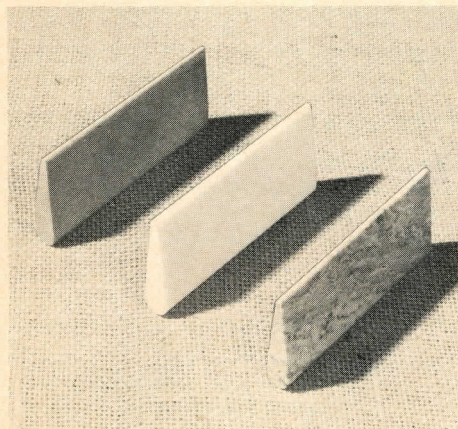


To use this tool, simply place the brick on sand or a cloth pad, set the chisel edge on the desired cut line and give it a firm tap with hammer or mallet. That's all.

This heavy, professional tool is 9" long x 4" wide with a heavy rubber shock absorbing grip for hand comfort, especially in freezing weather.

Made of hardened and tempered Sheffield Steel, the tool comes ground and sharpened, ready to use.

310 Bricklayers' chisel..... \$5.95

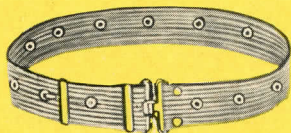


**ROUND EDGE
ARKANSAS
SLIPS ARE BEST FOR
SHARPENING AND
DEBURRING
CURVED SURFACES**

Nothing in the world can produce a better edge on a gouge or a round-nosed turning tool than these round edge Arkansas slips. The set includes three stones, each approximately 4" x 2" x $\frac{3}{8}$ " x $\frac{1}{8}$ " of Washita for fast grinding, soft Arkansas for a keen sharp edge and white hard Arkansas for super-sharp, polished edge. Each stone is packed in its own protective vinyl pouch.

WSH3 Set of three round edge Arkansas slips \$17.95

**G.I. TYPE WORK BELT IS BEST FOR
ALL USES**



For well over 50 years this heavy duty belt of durable cotton webbing has carried canteens, mess kits and other G.I. equipment. Our version is especially made to carry work pouches, tool holders and tool aprons for the do-it-yourselfer and construction worker.

Made with heavy, long lasting belt hardware.

501M Army type web belt..... \$3.95

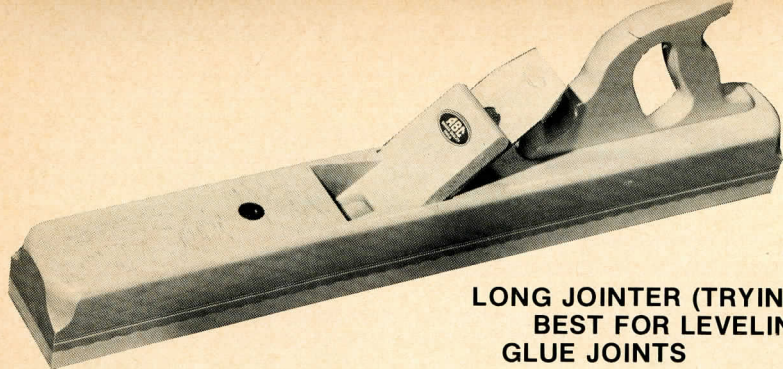


**SCRATCH AWL MARKS
METAL, WOOD, MAKES
STARTER HOLES**

Here's a craftsman's friend you quickly learn you can't do without. The hard, high quality blade is excellent for layout work on wood or metal. The slender point makes and marks starter holes for screws, drills and nails. Also punches holes in leather, plastic sheet and other similar materials.

The full length blade extends through the hardwood handle and is permanently attached to the plated screw, ferrule and cap.

818 Scratch awl \$1.95



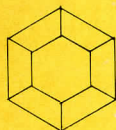
LONG JOINTER (TRYING) PLANE BEST FOR LEVELING AND GLUE JOINTS

The long jointer is intended for surface leveling before gluing up, and in general use for fine, flat finishes on longer surfaces and edges.

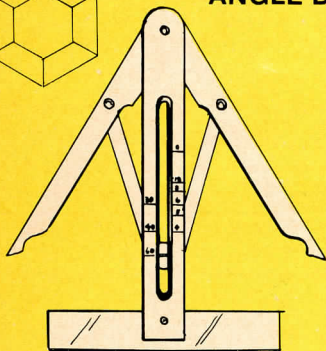
The flawless hornbeam sole, nearly 24" long and 3½" wide, is joined to an unblemished red beech body and topped with a comfortably formed hornbeam handle. The Swedish steel blade is fully adjustable for fine or heavy cuts and is locked by a hornbeam wedge. Metal striking knob for releasing the wedge is located on the top of the body.

A delight to own and use.

LJ-2 24" Wooden jointer plane.....\$27.95



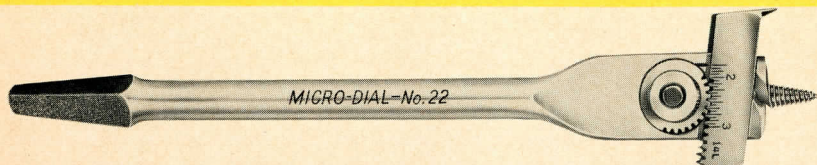
ANGLE DIVIDER A MUST FOR LAYOUT, MITERING



This tool does the complicated work of dividing angles for miter joints and transferring angles in cornice, frieze or gable work. Body is graduated so that 4, 5, 6, 8 and 10 sided figures can be laid out quickly. Instructions included.

All parts are heavy gauge steel, accurately machined and nickel-plated for beauty and protection against rust. Can also be used as a try-square.

835 Angle divider.....\$13.95



MICRO-DIAL EXPANSIVE BITS DRILL MANY HOLE SIZES WITH ONE TOOL

These beautifully made, highest quality bits have cutter blades which can be adjusted to many different hole sizes by a simple twist of the finger-tip adjustment. Smaller Model 21 bores ⅝" to 1¼" holes, larger Model 22 bores ⅞" to 3" holes.

Shanks and screw point are one-piece drop forged from special analysis steel, heat treated full length for toughness and durability. The easy-to-read adjustment has positive blade lock for accurate boring. Highly polished finish.

Each bit comes in a protective vinyl pouch with clear window.

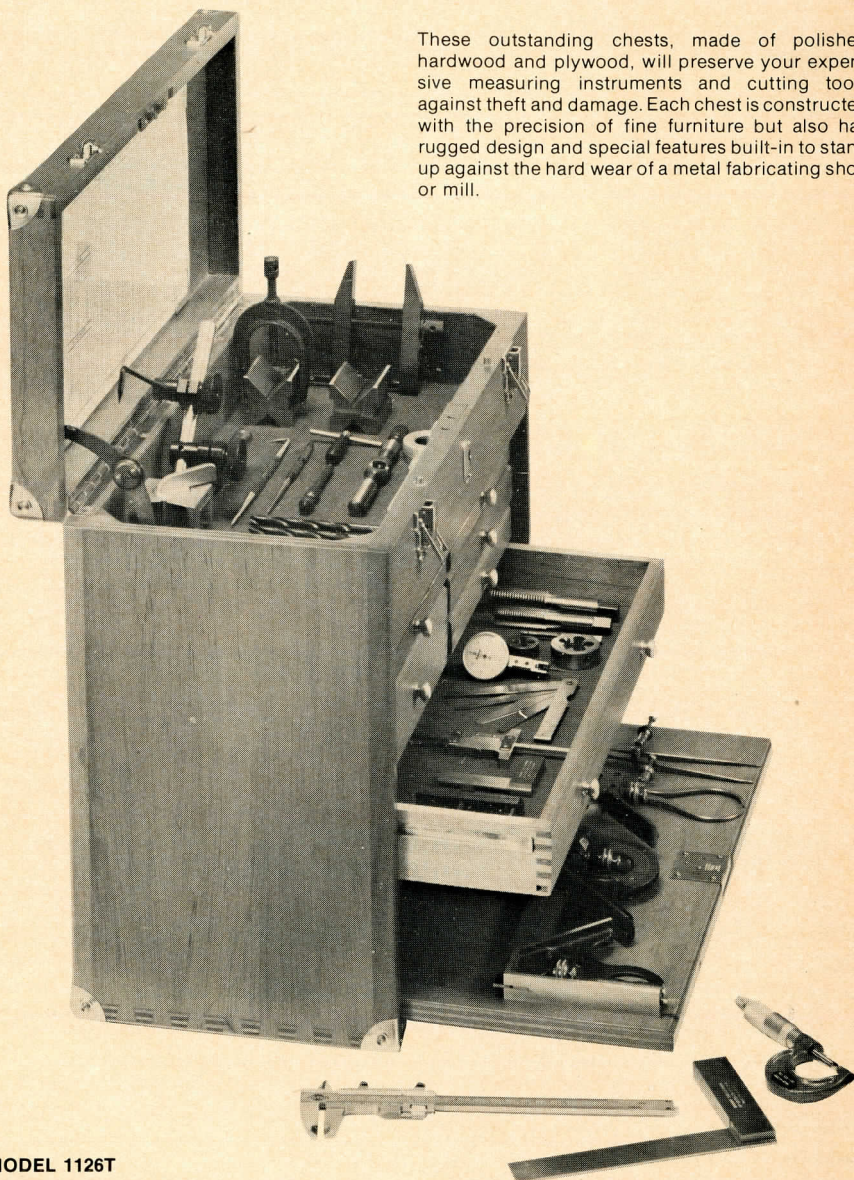
Model 21 ⅝" to 1¼" expansive bit.....\$7.95

Model 22 ⅞" to 3" expansive bit.....\$7.95

Model 21/22 (Save \$1.95) both bits, for full range boring.....\$13.95

HANDSOME TOOL AND DIEMAKERS' CHESTS PROTECT PRECISION TOOLS AND MEASURING INSTRUMENTS

These outstanding chests, made of polished hardwood and plywood, will preserve your expensive measuring instruments and cutting tools against theft and damage. Each chest is constructed with the precision of fine furniture but also has rugged design and special features built-in to stand up against the hard wear of a metal fabricating shop or mill.



MODEL 1126T

Both Leichtung chests display these special features which distinguish our chests from most others on the market:

1. Weather and corrosion resistant Dural knobs
2. Brass 2-lever front panel lock and keys
3. Spring loaded leather handle
4. Metal case corners and rubber buffers
5. Metric/inches equivalency chart
6. Security striking plate
7. Aluminum sheath and channel for front panel and chest
8. Drawers run on brass rollers in metal channels
9. Interlock secures front panel to tray section
10. Brass/steel 4-lever tray section lock and keys
11. Friction-stay lid support
12. Spring catches
13. Full width piano hinge
14. Aluminum name plate on front panel
15. Felt lined top tray and drawer bottoms

These and the many other quality features - like precise dovetail joints on all the drawers and reinforced inside corners - truly make these the finest chests in the world.

MODEL 1126T (11 Drawer/Tray Top)

Overall outside dimension:

26 $\frac{1}{4}$ " wide x 17" high x 9 $\frac{3}{4}$ " deep

Tray top inside dimension:

25" x 8 $\frac{1}{4}$ " x 3 $\frac{1}{4}$ "

Dimensions of drawers:

3" x 7" x 1" - three drawers

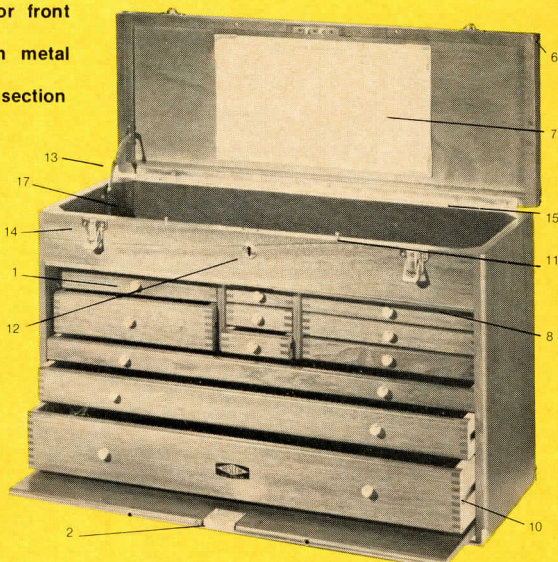
9" x 7" x 2 $\frac{1}{4}$ " - one drawer

24" x 7" x 1 $\frac{3}{4}$ " - one drawer

9" x 7" x 1" - four drawers

24" x 7" x 1" - one drawer

24" x 7" x 3" - one drawer



MODEL 1126T 11 Drawer tool chest/tray top.....\$199.00



MODEL 720T (7 Drawer/Tray Top)

Overall outside dimensions:

20 $\frac{1}{4}$ " wide x 15 $\frac{1}{2}$ " high x 9 $\frac{1}{4}$ " deep

Tray top inside dimensions:

19" x 7 $\frac{3}{4}$ " x 3 $\frac{1}{4}$ "

Dimensions of drawers:

8 $\frac{1}{2}$ " x 6 $\frac{1}{2}$ " x 1" - four drawers

8 $\frac{1}{2}$ " x 6 $\frac{1}{2}$ " x 2 $\frac{1}{4}$ " - one drawer

18" x 16 $\frac{1}{2}$ " x 1 $\frac{3}{4}$ " one drawer

18" x 6 $\frac{1}{2}$ " x 3" - one drawer

MODEL 720T 7 Drawer tool chest/tray top.....\$149.00

WORLD'S BEST CARVING TOOLS ARE IN SHORT SUPPLY

The biggest problem with selling only the best is that you can't always get enough to satisfy the demand.

Paffox hand forged carving tools are the acknowledged best - not just because we say so, but because they have been the most sought after carving tools in the world for nearly 150 years. The magnificently-formed Solingen steel blades are gracefully fashioned, painstakingly ground and tapered and ready for the kind of final honing and polishing you desire.

The comfortably formed, solid hardwood handles are octagonally shaped to keep them from rolling off the bench and damaging the edges. Each tool is about 10 1/4" long overall.

All available shapes are illustrated in the drawings below. Sets are made up of these styles in the widths designated in the column marked "mm". Thus, for example, the first item in the B1200 set is a No. 1 straight chisel 6 mm (millimeters) wide at the tip. The third item in the B1200 set is No. 2, a skew chisel, 8 mm wide. To convert millimeters to inches divide the number of millimeters by 25.4. Thus, 6 mm is .236 inches or about 1/4 inch.

Now, getting back to quantities; our present inventory is very limited. When they are gone we are not guaranteed any additional quantities by the manufacturer and we may be forced to discontinue selling the item. But even though our quantities are limited the very favorable foreign exchange rate makes it possible to offer the ones we have at very attractive prices far below last year's. But remember, only while present supplies last.

B1200 - 12 Piece Basic contains

| Shape | 1 | 1 | 2 | 5 | 7 | 7 | 8 | 8 | 9 | 12 | 39 | 40 |
|-------|---|---|---|----|---|----|---|----|---|----|----|----|
| mm | 6 | 8 | 8 | 14 | 6 | 10 | 4 | 10 | 3 | 6 | 6 | 6 |

B1200 12 pc. Basic Carving Set was \$ 89.95 - now \$ **63.00**

B1800 - 18 Piece Advanced Basic contains the 12 Piece Basic plus ...

| Shape | 11 | 17 | 21 | 1 | 2 | 21 |
|-------|----|----|----|----|----|----|
| mm | 3 | 6 | 6 | 12 | 12 | 10 |

B1800 18 pc. Advanced Basic Set was \$129.95 - now \$ **91.00**

B2400 - 24 Piece Professional contains the 18 Piece Advanced Basic plus ...

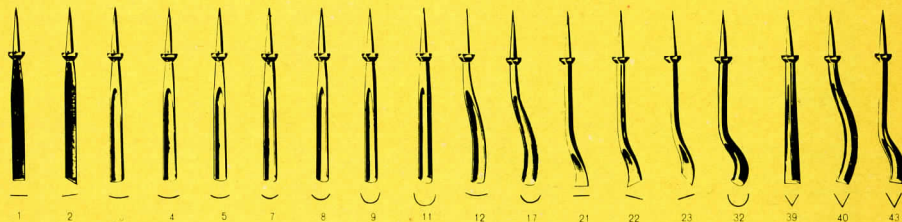
| Shape | 3 | 23 | 5 | 7 | 8 | 9 |
|-------|----|----|---|----|----|---|
| mm | 18 | 3 | 6 | 14 | 14 | 6 |

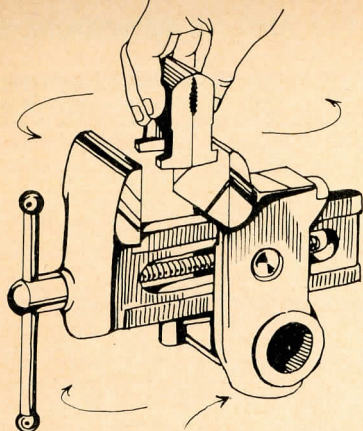
B2400 24 pc. Professional Set was \$179.95 - now \$ **124.00**

B3600 - 36 Piece Master Contains the 24 Piece Professional plus ...

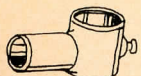
| Shape | 32 | 32 | 3 | 11 | 11 | 4 | 9 | 12 | 17 | 22 | 9 | 43 |
|-------|----|----|----|----|----|---|----|----|----|----|----|----|
| mm | 10 | 6 | 10 | 6 | 12 | 6 | 14 | 10 | 10 | 3 | 18 | 6 |

B3600 36 pc. Master Set was \$269.95 - now \$ **188.00**

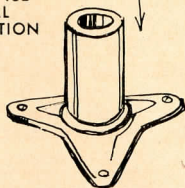




OPENING FOR MOUNTING VISE IN HORIZONTAL (LAID FLAT) POSITION



SPECIAL TILT-ADAPTER



HEAVY-DUTY VISE HOLDS WORK IN ANY POSITION

This versatile tool permits you to position your workpiece in any position because it swivels a full 360° in either a vertical or horizontal position. It is not necessary to loosen set screws or locking devices to position this vise. Once position is set the vise locks there automatically, when the jaws are tightened.

A wonderful tool for craftsmen, hobbyists, welders, model makers, gunsmiths, carpenters, toolmakers, patternmakers — in fact, anyone who requires a fine, versatile holding device.

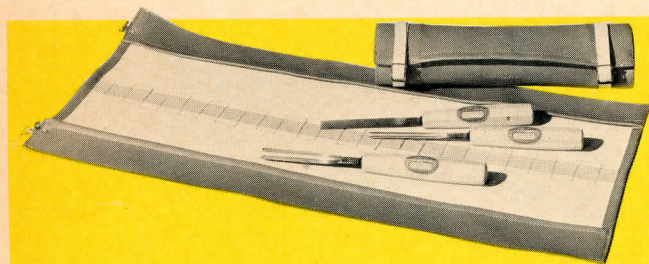
This is no toy either. Vise is 18 lbs. of holding power, 8½" high and 11" wide; jaws 2½" x 3½" open a full 5". Anvil 1¾" x ¾". Removable serrated jaws (included) will hold pipe or other rounds up to 1½" in diameter. The body is tough, cast semi-steel, precision machined.

Optional tilt adaptor lets you hold your work at any angle. Combined with vise permits unlimited positioning.

310WB Vertical/horizontal swivel vise **\$37.95**

318WB Tilt adaptor **\$8.95**

3108WB (Save \$2.90) Vise plus tilt adaptor **\$44.00**



NAUGAHYDE TOOL ROLLS PRESERVE EDGES OF FINE TOOLS

Constructed of heavy duty Naugahyde backed with cotton knit, these rolls are designed so that tool edges cannot touch metal. They protect your valuable carving tools, chisels and knives. Rolls are belted by two web straps cinched with sawtooth buckles.

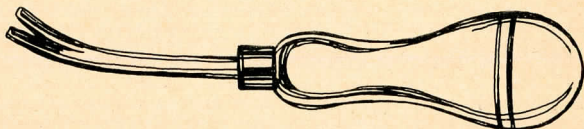
CTR12 Roll for 12 tools **\$4.95**

CTR18 Roll for 18 tools **\$5.95**

CTR24 Roll for 24 tools **\$6.95**

CTR36 Roll for 36 tools **\$7.95**

TACK LIFTER GETS TACKS AND NAILHEADS HAMMER CLAW CAN'T



Hand forged and ground Sheffield steel. Hand turned, natural finished English beech handle. A handsome tool which is also useful.

Because it is smaller and narrower than your hammer claw, it will reach those tight places your hammer can't. About 8¼" long.

83 Tack lifter **\$2.95**

MOST POPULAR ROUTER BITS IN SETS AND AS INDIVIDUAL BITS

High speed alloy steel router bits are the favorites of home craftsmen. Carbide tips are a necessity when working with laminates — we've got them (#'s 203-256-2 and 183-442). We're proud to present quality like this at these low prices. Each bit in its own plastic pouch. Sets are in plastic cases. All bits fit any router which takes 1/4" shank and are about 2" long.

| | | |
|-----------|---|---------|
| 11-150 | 1/4" straight bit - two flute h.s.s. | \$1.70 |
| 11-154 | 3/8" straight bit - two flute h.s.s. | \$3.05 |
| 11-157 | 1/2" straight bit - two flute h.s.s. | \$3.25 |
| 51-302 | 1/2" core box bit - two flute h.s.s. | \$3.95 |
| 61-310 | 3/8" vee groove bit - two flute h.s.s. | \$5.10 |
| 81-326 | 1/4" roundover bit/pilot - two flute h.s.s. | \$5.30 |
| 81-328 | 3/8" roundover bit/pilot - two flute h.s.s. | \$5.90 |
| 91-343 | 3/8" beading bit/pilot - two flute h.s.s. | \$7.90 |
| 111-356 | 1/4" roman ogee bit/pilot - two flute h.s.s. | \$9.25 |
| 161-410 | 1/4" rabbeting bit/pilot - two flute h.s.s. | \$7.25 |
| 131-370 | 45° chamfering bit/pilot - two flute h.s.s. | \$6.90 |
| 203-256-2 | Ball bearing flush trim - two flute carbide tips | \$11.90 |
| 183-442 | Comb. flush and bevel trim, single flute carbide tip | \$4.90 |
| 101-351 | 9/32R ogee bit - two flute h.s.s. | \$8.90 |
| 202-457 | 6 piece starter set includes one each 11-150, 11-157, 61-310, 81-326, 51-302, 131-370 (Save \$6.25) | \$19.95 |
| 202-458S | 4 piece decorator set includes one each 111-356, 91-343, 101-351, 161-410 (Save \$8.35) | \$24.95 |

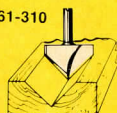
11-150
11-154
11-157



51-302



61-310



81-326
81-328



91-343



111-356



161-410



131-370



203-256-2



183-442



101-351

"The bench itself involves excellent design and craftsmanship, and enables me to apply my skills in a better manner."

H. R., Ashtabula, O.

"I recently purchased a set of wood chisels from your firm. They are truly of superior quality."

J. J. S., Philadelphia, Pa.

WOODEN RABBETING PLANE ADJUSTS FOR HARD AND BURLED WOOD

This extra fine plane is designed for cutting rabbets with the grain.

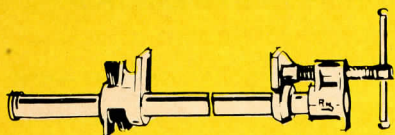
The hornbeam block and lignum vitae sole combine two of the world's hardest woods and will not warp or distort. The adjustable shoe in front of the blade permits variations in shaving thickness, particularly important when working with very hard or burled stock.

Body is 9 1/2" long, highest quality Swedish steel blade is 1 1/8" wide.

Truly a precision tool to make any craftsman's work a little better.

LJ-40 Wooden bodied rabbet plane..\$21.95





CLAMP FIXTURE USES 1/2" PIPE FOR BASE

Bar Clamp fixtures are the very best for holding work in position while glue sets up for holding veneer or a wide variety of jobs where positive, even pressure is needed.

This model uses a 1/2" pipe (not included) as a bar. The length of the clamping area is limited only by the length of pipe you use. With heads reversed, this fixture can be used to spread work or "push" from the inside. Tailstop clutch automatically grips pipe, head holding jaw (adjustable by screw) is stationary on end of pipe.

Castings are malleable iron, screw is cold drawn steel, clutch is hardened steel.

52 1/2" Pipe clamp fixture..... \$6.95



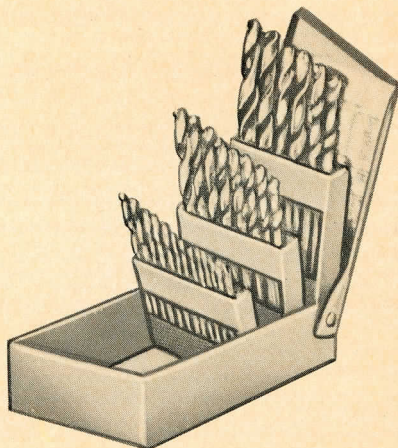
MODELMAKERS' HAMMER IS FULL-FEATURED, YET GIVES YOU THAT "JUST RIGHT" LIGHT TOUCH

This gem is drop-forged, heat-treated, ground and polished exactly like its bigger brothers, the cabinetmakers' and carpenters' models, yet weighs only 7 oz.!... including its fine, hickory handle and double steel wedged head.

It is scaled down to the perfect size and balance for smaller, more delicate work. Claw tips will pick up tiny brads. 11 1/2" long.

V7 Modelmakers' hammer..... \$7.95

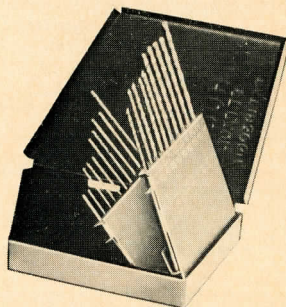
STRAIGHT SHANK DRILLS IN NUMBERED GAUGES ESSENTIAL FOR THREAD TAPPING, CLEARANCES, ETC.



Here is a complete number drill set of highest quality high speed steel drills in wire gauge sizes from 1 (.228") through 60 (.040"). These are all top industrial quality drills, roll forged for greater strength and ground from solid blanks. Each is hardened and tempered to federal specs and precision ground for longer life and truer holes.

Complete with metal index.

T22 Set of #1 thru #60 wire gauge drills in index..... \$31.50



This second fine number drill set has 20 additional wire gauge drills from 61 (.039") to 80 (.0135"). They are precision made and have all the quality specs of Set T22 above.

Complete with its own metal index.

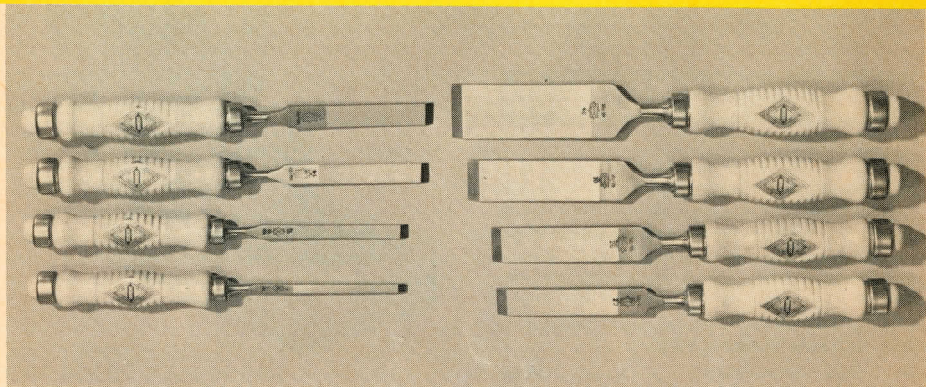
T23 Set of #61 to #80 wire gauge drills in index..... \$11.95

GERMAN FIRMER CHISELS REFLECT SUPERB CRAFTSMANSHIP

We think these are the finest chisels commercially available in the world today. Made by Bracht of West Germany, each tool is forged from tungsten-vanadium alloy steel with Rockwell hardness of C61-63. Blades are fully ground and ready for final honing on your Leichtung white or black hard ARKANSAS sharpening stone.

Bracht handles are of durable ash, ribbed for comfort and firm gripping and strengthened by twin loops of nickel plated steel at ferrule and cap.

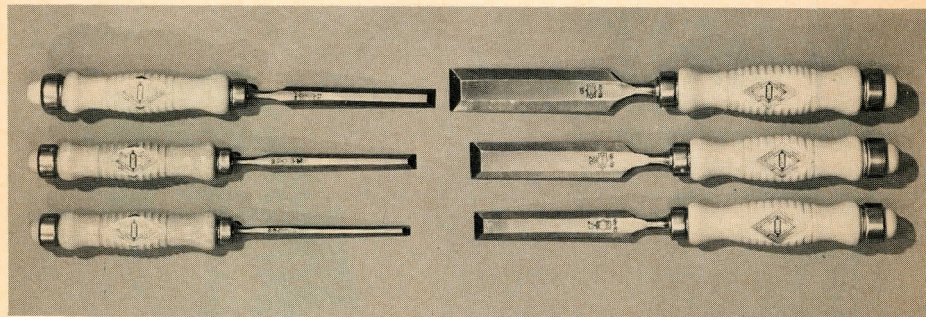
Truly chisel sets to treasure.



8 PIECE FIRMER CHISEL SET

Consists of $\frac{1}{4}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ ", 1", $1\frac{1}{4}$ ", and $1\frac{1}{2}$ " sizes. Handles sized in proportion to blades, $10\frac{1}{2}$ " to 12" long, depending on blade size.

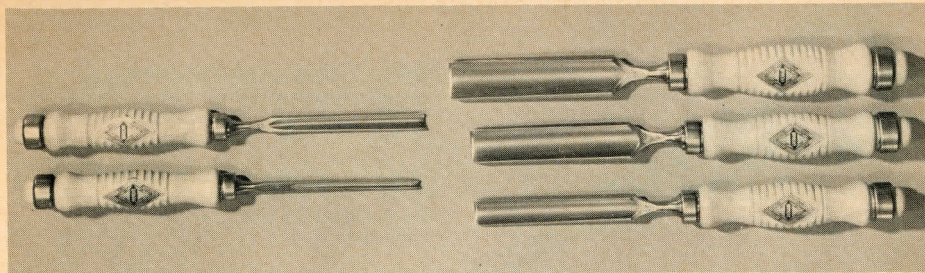
BR844 8 piece firmer chisel set.....\$39.95



6 PIECE CABINETMAKERS' CHISEL SETS

Has $\frac{1}{4}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ ", 1" and $1\frac{1}{4}$ " cabinetmakers' bench chisels. $10\frac{1}{2}$ " to 12" long, depending on blade size, each piece comes with plastic edge guard with loop for hanging. The best we've ever offered.

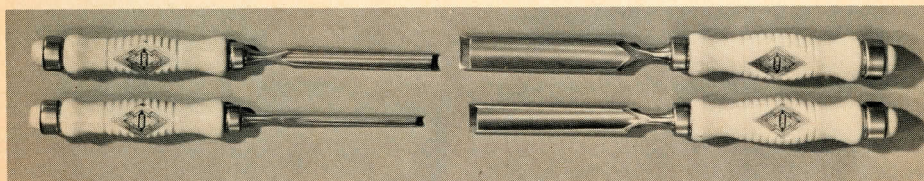
BR642 6 piece cabinetmakers' bench chisel set.....\$29.95



5 PIECE SCULPTORS' FIRMER GOUGE SET

Ruggedly made of tungsten-vanadium steel (Rockwell 59-62) to withstand constant pounding of the sculptors' mallet. The double, chrome plated loops ("schlagring" in German, which means "slam ring") prevents splintering or chipping of the comfortably formed ash handles. Set includes $\frac{1}{4}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ ", 1" and $1\frac{1}{4}$ " sizes. The 1" gouge is $11\frac{1}{8}$ " long overall.

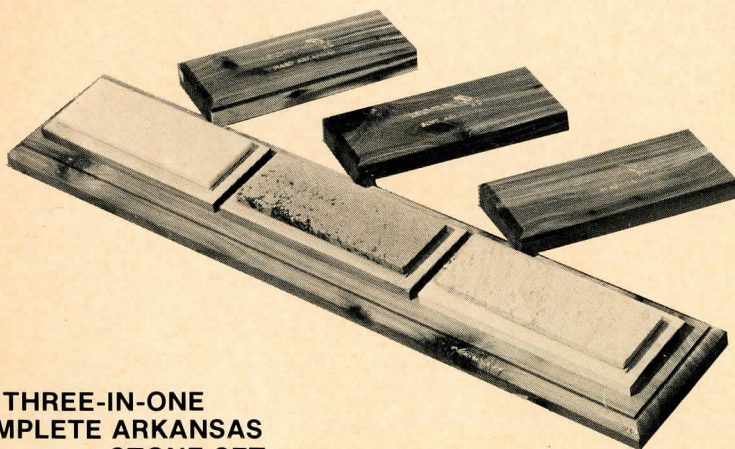
BR578 5 piece set sculptors' firmer gouges\$27.95



4 PIECE SET IN-CANNEL FIRMER GOUGES

Have all the features of BR578 except bevel is on the inside of the arc rather than the outside. Designed for fine paring or trimming of surfaces or ends, particularly to match irregular shapes. Contains $\frac{1}{4}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ " and 1" sizes.

BR1478 4 Piece set in-cannel firmer gouges\$24.95



THREE-IN-ONE COMPLETE ARKANSAS STONE SET

An economical "must" for any workshop where edge tools are used is this three piece combination set of the world's finest Arkansas sharpening stones. The set consists of fast cutting Washita, fine edge producing soft Arkansas and edge-polishing white hard Arkansas. Stones are each approximately 6" x 2" and all three are permanently bonded to a cedar block. Each stone is protected by its own cedar dust cover. Overall length is 23" of practical beauty. What a gift idea!

LGS-3 Three piece Arkansas stone set\$31.95



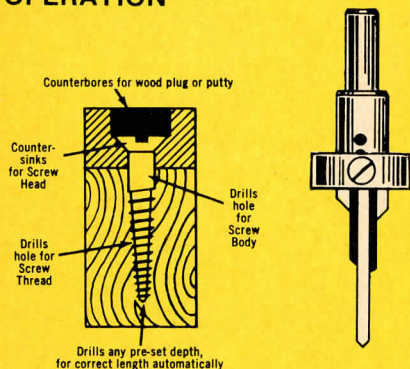
FLATTENED OVAL HANDLE MAKES SCREWDRIVER EASY TO USE

All your strength is focused on the work because this unusually shaped, polished beechwood handle lets you really lean into the work.

The strong, tempered, cabinetmaker's blade has a flattened tang below the solid brass ferrule to accommodate a wrench for additional torque when needed. It has a $\frac{7}{16}$ " tip and the tool is about $6\frac{1}{8}$ " long.

24W Flattened Oval Handled Screwdriver \$3.35

AMAZING TOOL PILOT DRILLS, COUNTERSINKS AND COUNTERBORES IN ONE OPERATION



Here is the only tool we know about that completely prepares wood to receive any length of wood screw in one single operation. It fits any $\frac{1}{4}$ " or larger power drill or drill press chuck and may be adjusted for different depths to accommodate various screw lengths.

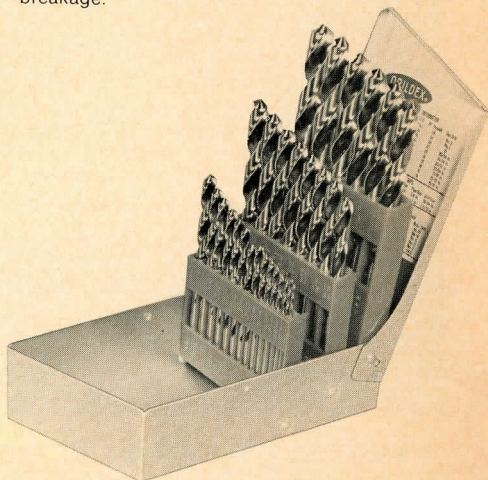
Four piece set will bore and counterbore for 14 different lengths and head styles of screws. Instructions included.

No. 6 for #'s 5, 6 and 7 wood screws, No. 8 for #'s 7, 8 and 9 wood screws, No. 10 for #'s 9, 10 and 11 wood screws and No. 12 for #'s 11, 12 and 14 wood screws.

WDS4 4 piece drill and counterbore set. \$11.95

SPECIAL LENGTH DRILLS ARE STRONGER, RESIST BREAKAGE

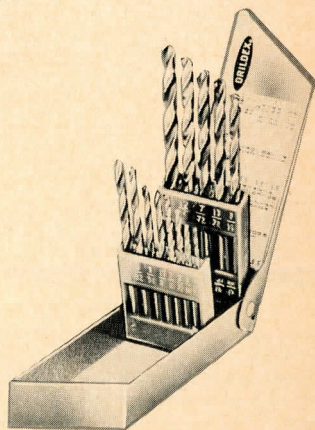
Because these very rugged drills are about 10% shorter than jobber drills, they are more rigid which results in less breakage.



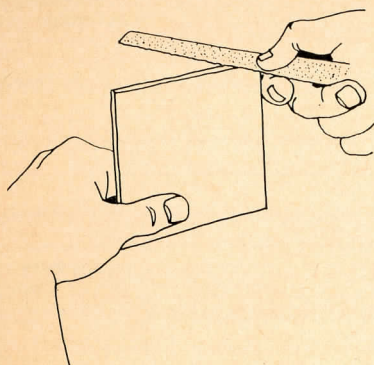
This 29 piece set is made of high speed steel in sizes $\frac{1}{16}$ " to $\frac{1}{2}$ ", by 64ths, and comes in its own hinged metal index.

5529 29 pc. Drill set in metal index..... \$39.95

For the craftsman who does not need the larger size, here is a 13 piece set of drills exactly like set 5529, above, but including only sizes $\frac{1}{16}$ " to $\frac{1}{4}$ " by 64ths. Also in its own metal index.



5513 13 pc. Drill set in metal index..... \$7.50



HANDY FILE SHAPES CERAMIC AND GLAZED TILE, OTHER MATERIALS

This tungsten carbide grit file is made especially for smoothing cut edges and shaping ceramic tile but is also great for wood, plastics, Fiberglass, glass brick and other man-made materials. The nearly-as-hard-as-diamonds grit is permanently bonded to a 6 $\frac{3}{4}$ " x 1" steel backing. Tapered ends are easier to grip and get into tight areas.

70 Tungsten carbide tile file \$1.95



ARKANSAS PADDLE STONE EVER-READY FOR SHOP OR KITCHEN SHARPENING

For quick, sharp edges on dull kitchen knives or frequently used shop tools, the soft Arkansas paddle stone is just about the handiest tool ever. The big 7" x 1 $\frac{1}{2}$ " stone is bonded to a 14" cedar paddle and just "hangs around" by its rawhide thong, looking handsome — but ready for instant use. Gift boxed.

WP1 Soft Arkansas paddle stone in gift box \$6.90



CARBIDE TIPPED TILE CUTTER OUTLASTS OTHERS

This efficient, accurate tool is the best we have found for cutting glazed and ceramic tile.

The nearly diamond hard tungsten carbide tip face rests against the straight edge as the score is made. The fracture line is therefore more accurate than a freehand line.

Plastic handle is molded for comfort in the hand.

313 Carbide tile cutter \$1.95

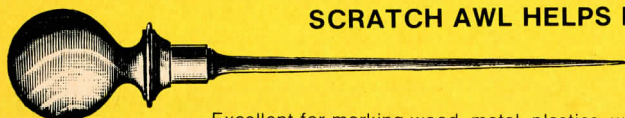


SAW AND TOOL HANDLE HAS IMPORTANT OTHER USES

This exquisitely finished English beech handle with solid brass chuck will hold hacksaw blades, sabre saw blades, broken pieces of bandsaw blades and anything else up to 1/2" wide x 1/8" thick. Extremely handy, especially for those who design their own tools.

Blade slot extends length of handle. About 7 $\frac{1}{2}$ " long.

61W Saw and tool handle..... \$4.75



SCRATCH AWL HELPS LAY OUT WORK

Excellent for marking wood, metal, plastics, where pencil lines rub off. Also makes brad holes, starter holes for screws and aligns holes in assembly work. Shouldered five inch blade is fitted with an easy-to-grip spherical handle of finished beech.

1215W 5" scratch awl \$2.95

□ □ □ □ □ □ □ □ □ □

Phone Number

MR.
MRS.
MISS
MS.

ORDERED BY: MISS MS.

SHIP TO: _____

ADDRESS _____

CITY, STATE _____ ZIP _____

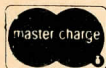
ZIP _____

[illegible]☐ Charge Full Payment to my BankAmericard

| | |
|-------------------------------|--------|
| Under \$10.00..... | \$1.50 |
| From \$10.01 to \$15.00..... | \$1.75 |
| From \$15.01 to \$25.00..... | \$2.25 |
| From \$25.01 to \$50.00..... | \$2.75 |
| From \$50.01 to \$100.00..... | \$3.75 |
| Over \$100.00..... | \$4.75 |

THESE CHARGES REPRESENT ONLY PART OF
THE TOTAL COSTS . . . WE PAY THE REST!

**Total
Payment**



My Bank Credit Number _____

(For Master Charge Only) - Enter 4 digits below Acct. No. _____

Credit Card Good Thru _____

Signature _____



TO ORDER BY PHONE
216 - 461-4677

QUALITY — We guarantee every item to be the very best of its kind that we could locate anywhere in the world. Our professional buyers are under strict orders to buy only the best... AND TO KEEP EVALUATING EVERY OLD SUPPLIER AND EVERY POTENTIAL NEW ONE CONSTANTLY. (Some suppliers vary their quality over a period of time. We refuse to accept anything but each supplier's best.)

PRICES — You will find some prices in this catalog lower than in previous catalogs. A few will be higher and many the same. Our merchandise comes from all over the world and not only do our costs rise unevenly from country to country but dollar exchange rates fluctuate daily. It is our firm policy to guarantee the prices in this catalog until the next catalog appears. Furthermore, when significant savings occur, even after the catalog appears, we pass them on to you. (Hundreds of customers can verify that they have ordered merchandise at catalog prices and been pleasantly surprised to receive a credit along with their merchandise.

GUARANTEE — We feel so strongly about our quality that our guarantee is totally unconditional. If you are displeased (for whatever reason at all) return the item within 21 days for a full refund. We'd appreciate hearing your reason but it will have no bearing on your immediate refund. Just send it back with your name and address and the one word "REFUND".

ORDERING INFORMATION

TO ORDER: Please use our easy order blank. You will automatically receive another one when we have shipped your order. However, orders are gratefully accepted when written on any paper you have handy!

TELEPHONE ORDERS: We also have very knowledgeable people to take your phone orders, during business hours daily. Call 216-461-4677.

CREDIT CARDS: We accept BankAmericard and Master Charge. As a matter of fact, when you use either one of the credit cards, or a money order or cashier's check, you speed up the shipping process to a matter of one or two days. Personal checks are, of course, accepted upon clearance. No C.O.D.'s, please.

MINIMUM ORDER: Order however much or little as you wish, naturally. May we recommend, however, that in order to keep the percentage of "packing and guaranteed delivery" down to a minimum, your most economical orders would be over \$50.00.

NOTE — ALL WORKBENCHES AND WORKBENCH TOPS are shipped Freight Collect, via truck, because of size and weight. We have found that benches can generally be shipped East of the Rockies for around \$15.00; West of the Rockies for around \$20.00, as of the time of this catalog issue.

LAYAWAY PLAN: If you wish to take advantage of today's low prices but would rather not strain your budget with a complete payment, we have a Layaway Plan to help you. It's simple:

1. Use the order form to order whatever you wish.
2. Send at least 25% of the total purchase price to us along with the completed order form. (Minimum layaway order must be \$100.00, in which case, for example, you would send at least \$25.00 with your order.)
3. After your initial payment, send additional payments whenever it suits your budget. These will be applied against your purchase price. **THE ONLY STIPULATION IS THAT THE TOTAL BILL MUST BE PAID WITHIN 90 DAYS OF THE DATE YOUR ORDER WAS PLACED.** If not fully paid in 90 days, all payments will be returned to you and the order cancelled.

YOUR PURCHASES WILL BE SHIPPED WHEN YOU HAVE COMPLETED PAYMENT.

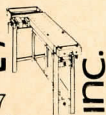
IF, FOR ANY REASON, YOU DECIDE TO CANCEL YOUR ORDER, YOU WILL RECEIVE A FULL REFUND OF ALL MONEY YOU HAVE PAID.

THERE IS NO CARRYING CHARGE.

OUR NEW SHOWROOM AND HEADQUARTER ADDRESS:

LEICHTUNG

701 Beta Drive, #17
Cleveland, Ohio 44143
Phone: (216) 461-4677



PACKING AND GUARANTEED DELIVERY: Please add the following amounts to any orders shipped within the continental U.S.A. to one location at one time. (Outside the continental U.S.A., please add 25% to these figures.)

| | |
|----------------------------------|--------|
| *Total order under \$10.00 | \$1.50 |
| From \$10.01 to \$15.00 | \$1.75 |
| From \$15.01 to \$25.00 | \$2.25 |
| From \$25.01 to \$50.00 | \$2.75 |
| From \$50.01 to \$100.00 | \$3.75 |
| Over \$100.00 | \$4.75 |

*For total amount of items *except workbenches.*

Area Code Phone Number

MR.
MRS.
MISS
MS.

ORDERED BY: MISS _____ SHIP TO: _____

ADDRESS _____

CITY, STATE _____ ZIP _____ ZIP _____

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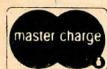
- ☐ Layaway Plan
(See page 24 for details)
- ☐ Charge Full Payment
to my Master Charge
- ☐ Charge Full Payment
to my BankAmericard

| PACKING AND GUARANTEED DELIVERY CHARGE | |
|--|--------|
| *IF YOUR ORDER IS: | |
| Under \$10.00..... | \$1.50 |
| From \$10.01 to \$15.00..... | \$1.75 |
| From \$15.01 to \$25.00..... | \$2.25 |
| From \$25.01 to \$50.00..... | \$2.75 |
| From \$50.01 to \$100.00..... | \$3.75 |
| Over \$100.00..... | \$4.75 |

24) For total amount except workbenches (see page 24). Workbenches and tops are shipped Freight Collect.

THESE CHARGES REPRESENT ONLY PART OF THE TOTAL COSTS . . . WE PAY THE REST!

| | |
|--|--|
| Total Amount of Order | |
| Packing & Guaranteed Delivery | |
| If Layaway, Down Payment | |
| Ohio Residents Only Add 5½% | |
| Total Payment | |



My Bank Credit Number _____

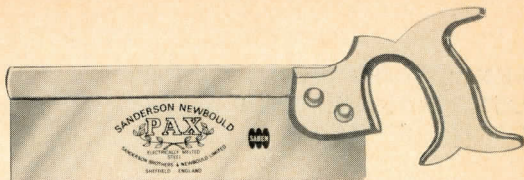
(For Master Charge Only) - Enter 4 digits below Acct. No. _____

Credit Card Good Thru _____

Signature _____

TO ORDER BY PHONE
216 - 461-4677

DOVETAIL SAW IS CRAFTSMAN'S CHOICE FOR FINE WORK

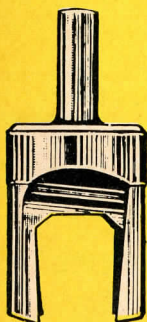


This magnificent little saw is almost too handsome to use — but when you do, you will find it the best you have ever handled.

The 8" blade is made of electrically melted, special alloy Sheffield steel. It is ground with 21 perfectly sharpened and set points per inch. The solid brass back is an inch high, a full 1/4" thick and mirror polished. The solid beech handle, attached with brass screws, is open at the bottom for improved "feel" and more finger room.

Unquestionably the best for the hobbyist, craftsman and wage earner.

SKDT 8" Dovetail Saw.....\$17.50



SPECIAL CUTTERS MAKE WOOD PLUGS FOR SCREW AND NAIL HOLES

Hide those unsightly holes where screws, nuts and nails were inserted by cutting a perfectly formed wooden plug from scrap material to fill the hole. They add the finished, professional look every craftsman works so hard to get. Since the plug can be made from the same stock as the workpiece, stains match perfectly. Eliminates need for hard-to-use wood doughs, etc.

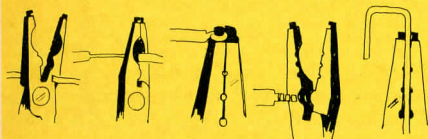
Can be used in any hand or electric drill or drill press which takes a 1/4" shank. Produces chamfered plugs of matching or contrasting wood.

Made of hardened alloy tool steel in three most desired sizes.

| | |
|---|---------------|
| 6A 3/8" Diameter plug cutter..... | \$3.00 |
| 6B 1/2" Diameter plug cutter..... | \$3.50 |
| 6C 5/8" Diameter plug cutter..... | \$4.00 |
| 6ABC (Save \$2.55) 3 Piece set of plug cutters listed above. | \$7.95 |



ELECTRICIANS' PLIER DOES ALL IMPORTANT JOBS

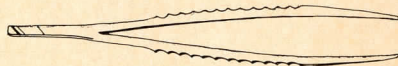


The best plier we have found for cutting wires, stripping insulation, bending loops, fixing cable clips and straightening wire is this beautifully made tool from Germany.

Made of oil hardened chrome vanadium steel, the tool is nicely finished and fitted with heavy vinyl grips. 6" long overall.

K24 Electricians' plier..... \$12.95

NYLON TWEEZER IS SHOCKPROOF, NON-MAGNETIC

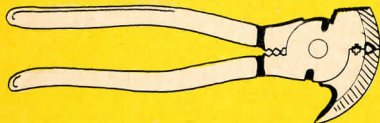


Designed for professional electronics engineers, electricians and laboratory technicians, this excellent tool is now much in demand by hobbyists, modelmakers and home craftsmen of all kinds.

Made of glass filled nylon, this tweezer is 4 1/2" long with serrated jaws which, because they are nylon, will grip firmly without marring. They are light weight, comfortable to handle and extremely rugged and durable. They resist acids and may even be exposed for short periods to soldering heat. May be sterilized in steam or hot air up to 490°F.

715 Nylon tweezer.. \$1.50 (3 or more \$1.25 ea.)

FENCEMAN'S TOOL HAS 1000 USES IN HOME, SHOP AND ON THE FARM



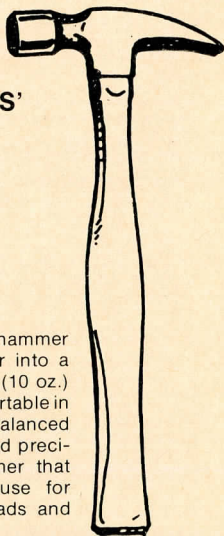
Here's a tough, rugged, versatile tool whose origin is rooted in frontier America. It stretches and pulls wire as it has for decades on cattle ranches and farms. It drives staples, cuts heavy wire, serves as a mender, a wrench, plier and hammer. Virtually a toolbox in one.

The Leichtung model is made of hot drop-forged Sheffield steel with specially hardened cutting edges. The handle is vinyl clad for comfort, especially for outdoor work on frigid days.

10½" long, 21 oz.

20P Fenceman's tool..... \$7.95

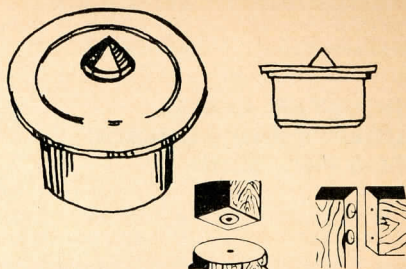
CABINETMAKERS' HAMMER — AN EXTENSION OF YOUR ARM AND ABILITY



This beautiful, classic hammer can turn a nail pounder into a craftsman. Light weight (10 oz.) and shaped to feel comfortable in your hand, it is perfectly balanced and finished to a polished precision. This is the hammer that master cabinetmakers use for precision work with brads and finishing nails.

Made of drop-forged, highest grade tool steel and annealed to perfect temper and hardness, this hammer is then ground, polished and fitted with a perfectly matched, solid white hickory handle. 11" long.

9VB Cabinetmakers' finishing hammer..... \$7.50



DOWEL CENTER SET MAKES DOWELING EASY

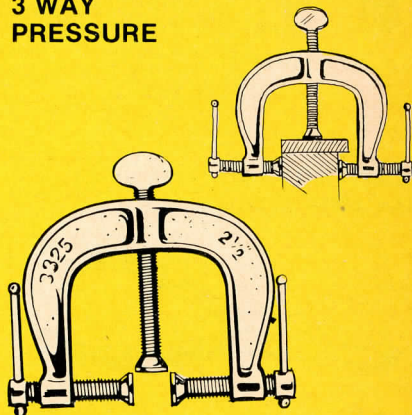
Here's how it's done.

Mark and drill holes in one section to be dowelled. Insert correct size center into hole and line up with opposite section. Tap lightly and the dowel center will correctly mark the center for drilling the second hole.

Each center is made of nickel plated steel to last a lifetime. Set consists of one pair each ¼", 5/16", 3/8" and ½" diameters and are packaged in hinged plastic box.

888G Dowel center set..... \$1.95

UNIQUE CLAMP APPLIES 3 WAY PRESSURE



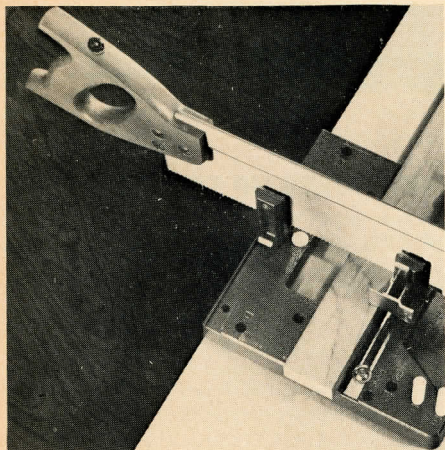
This quality clamp is an indispensable aid in exerting right angle pressure for such operations as applying counter-top edging even around "returns" or other obstructions because it clamps right over them.

It holds parts in place for edge gluing, repairing moldings, veneering, applying trim, soldering, welding and dozens of home and shop operations.

Malleable iron frame with steel screws and swivels. 2½" throat depth, 2½" opening capacity.

52 3-way edging clamp..... \$6.95

PRIZE WINNING INVENTION MAKES PERFECT WOOD JOINTS

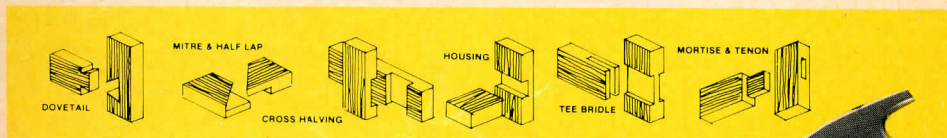


The simple-to-set-up, JOINTMASTER jig holds the wood and guides the saw to precision cut which can be precisely duplicated with no further adjustment.

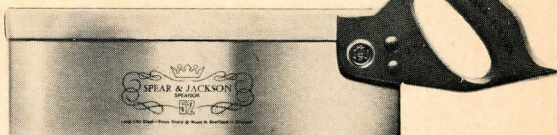
This unique device cuts angles from 10° to 170°. It makes straight joints in lumber up to 2"x4" and miter joints in up to 2"x2" wood. It makes tie, lap, dovetail, tenon and other joints so easily and accurately that it was awarded a gold medal at the 1972 Brussels Inventors' Fair.

Less than 9"x9", fully portable, the Jointmaster can be set up on any flat surface. It comes with six dowels and a 20 page instruction manual.

SS-80 Jointmaster (saw not included) **\$21.50**



SPEAR & JACKSON TENON SAW MAKES CLEAN CUTS



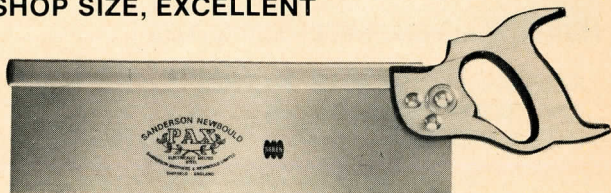
This superb 12" x 15 pt. backsaw of highest quality chrome-vanadium Sheffield steel is not only ideal for use with your Jointmaster but is an important addition to your tool kit.

The taper ground blade is stiffened by a 1/4" thick, 1" high back of brushed brass. The comfortable beechwood handle is firmly affixed with solid brass screws and is strengthened with hardwood dowels through the crossgrain.

Edges are keen, long lasting, ground and set to give many clean, accurate cuts. Excellent with your Jointmaster.

SJ1215 12" tenon saw **\$17.50**
JMSJ Combination Jointmaster & 12" tenon saw (Save \$7.05) **\$31.95**

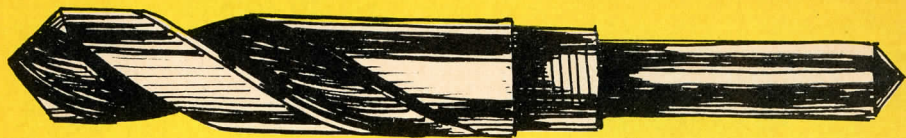
14" BACKSAW IS BEST SHOP SIZE, EXCELLENT WITH JOINTMASTER



This keen, durable, Sheffield chrome-vanadium steel backsaw is 14" long, backed with a 1/4" spine of mirror polished brass and gripped with a solid beech, perfectly formed handle which is dowelled through the cross grain to prevent splitting. It is attached to the super-fine, 15 point blade with three brass screws.

England produces the finest tenon saws in the world and we believe this is the best England produces. A perfect companion, just the right size for your Jointmaster.

SK14 Sanderson-Kayser 14" backsaw **\$21.50**
JMSK Combination Jointmaster & 14" backsaw (Save \$7.05) **\$35.95**



TWIST DRILLS HAVE 1/2" SHANKS, MAKE HOLES UP TO 1"

Even though your electric drill or drill press has only a 1/2" capacity chuck, you can still make holes up to 1" in diameter with these Silver and Deming 1/2" shank drill bits.

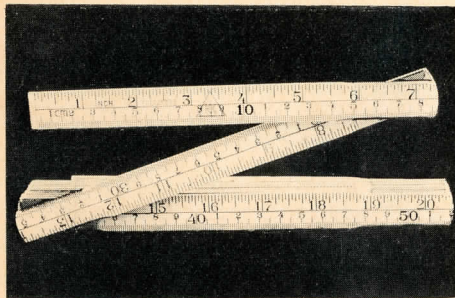
Made of M-2 high speed steel, these bits will drill all drillable materials except hardened steel. They are fast cutting and have good chip clearing ability. Each has 3" flute, 110° point angle.

Each bit is 6" overall length. Posigrip shanks.

| | | |
|--------------|---|----------------|
| T916 | 9/16" diameter drill with 1/2" shank..... | \$8.00 |
| T58 | 5/8" diameter drill with 1/2" shank..... | 9.00 |
| T1116 | 1 1/16" diameter drill with 1/2" shank..... | 10.00 |
| T34 | 3/4" diameter drill with 1/2" shank..... | 11.00 |
| T1316 | 1 3/16" diameter drill with 1/2" shank..... | 12.50 |
| T78 | 7/8" diameter drill with 1/2" shank..... | 13.50 |
| T1516 | 1 5/16" diameter drill with 1/2" shank..... | 14.50 |
| T111 | 1" diameter drill with 1/2" shank..... | 16.50 |
| T888 | Set of 8 bits listed above (Save \$10.00) | \$85.00 |

*"I appreciate your Lervad - my Lervad
- in fact, I'm delighted!!*

I. W., Bronx, N.Y.

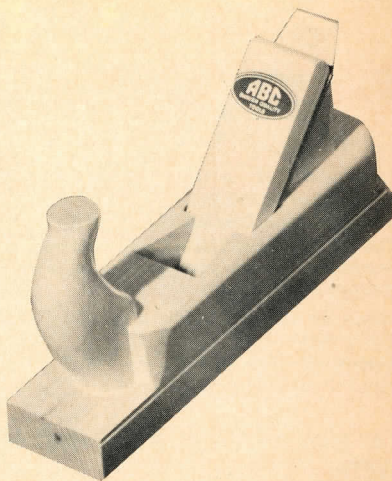


FOLDING RULE HAS INCHES AND METRIC UNITS ON BOTH SIDES

Here's a classic tool with a new twist — both sides show feet and inches divided into precise and clearly marked 16th AND meters, centimeter and millimeters, equally sharp and easy to read. The ruler extends to two meters (over 6 feet).

This quality rule is made of hardwood with heavy duty metal hardware. The finish is natural with clear, black marking for best readability.

2M Foot/meter extension rule..... \$3.95



WOODEN SCRUB PLANE "HOGS" LARGE CHIPS QUICKLY

Scrub planes are important for cutting away larger amounts of stock and rough shaping the workpiece. This fine tool has a slightly convex 1 1/4" Swedish steel blade which does the work quickly with short, crossgrain strokes.

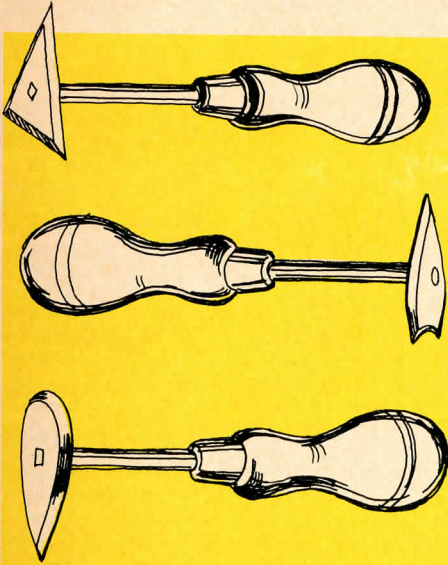
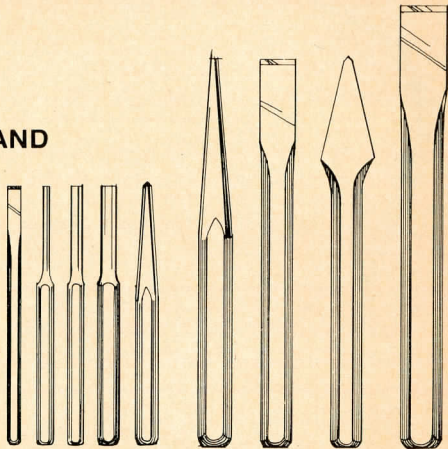
Red beech body is 9 1/2" long. Blade is retained by tough hornbeam wedge, which is loosened by tapping the metal striking knob.

LJ-18 Wooden scrub plane..... \$13.95

9 PIECE SET OF COLD CHISELS AND PUNCHES SATISFY MANY SHOP NEEDS

This professional quality set includes a fine assortment of flat cold chisels in $\frac{5}{8}$ ", $\frac{1}{2}$ " and $\frac{1}{4}$ " widths, a $\frac{1}{4}$ " crosscut chisel, parallel pin punches in $\frac{3}{16}$ " x $\frac{1}{8}$ ", $\frac{5}{16}$ " x $\frac{3}{16}$ " and $\frac{3}{8}$ " x $\frac{1}{4}$ ", a $\frac{3}{8}$ " center punch and $\frac{1}{2}$ " x $\frac{3}{16}$ " taper punch (largest piece is 7", smallest 4"). All tools are formed from hexagon carbon steel, carefully ground and polished and finished in silver color. An exceptional value. In vinyl pack.

342R 9 piece chisel and punch set **\$12.95**



SHAVEHOOKS HAVE DIFFERENT SHAPES ON DIFFERENT SURFACES

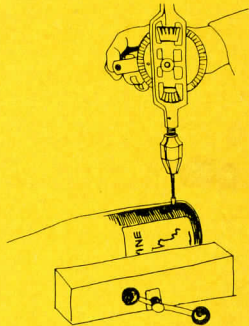
These exceptionally fine scrapers have a variety of straight and curved edges to reach corners, flat and curved surfaces which other scrapers can't touch.

The nicely shaped, finished beechwood handles are fitted with shanks which extend all the way through the handles and also through the blade for lifetime performance. The tempered steel blades are sharp when you get them and are easily resharpened.

About $\frac{67}{8}$ " long.

142-3 Set of 3 shavehooks **\$8.95**

CARBIDE TIPPED DRILLS CUT GLASS EASILY. MAKE LAMPS OUT OF WINE BOTTLES

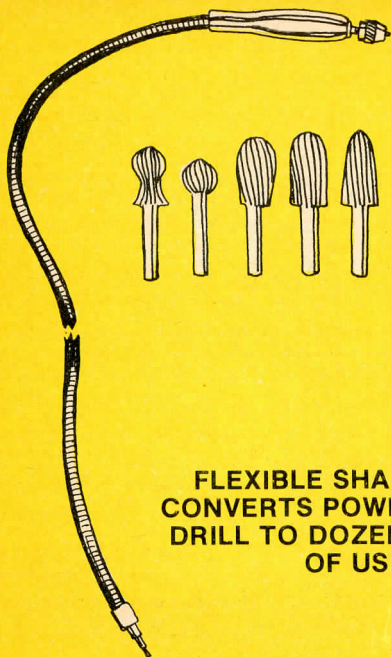


Perfect for drilling holes in plate glass, mirrors and bottles or in china and ceramic tiles. Spear point style is especially useful with drill press, slow speed hand drills or variable speed electric drills.

$\frac{1}{4}$ " shanks are clearly marked for each size, $\frac{1}{8}$ " through $\frac{1}{2}$ " in $\frac{1}{16}$ " steps. (No $\frac{7}{16}$ ")

| | |
|-------------------------------------|---------------|
| 18GD $\frac{1}{8}$ " | \$3.00 |
| 316GD $\frac{3}{16}$ " | \$3.00 |
| 14GD $\frac{1}{4}$ " | \$3.00 |
| 516GD $\frac{5}{16}$ " | \$3.50 |
| 38GD $\frac{3}{8}$ " | \$5.50 |
| 12GD $\frac{1}{2}$ " | \$6.25 |

666GD (Save \$4.30) set of six drills in all above sizes **\$19.95**



FLEXIBLE SHAFT CONVERTS POWER DRILL TO DOZENS OF USES

This professional quality flexible shaft is 40" long with 1/4" spindle for engaging the chuck in your power drill. The other end has a high quality, 3 jaw chuck which holds any size burr, twist drill, brush, abrasive wheel or other tool with shank up to 1/4" diameter.

The flexible shaft enables you to reach into otherwise inaccessible places to clean, decarburize, grind, drill or machine.

The shaft is fully encased in tough, polyethylene with an extra-heavy, comfortable handpiece. Shaft is permanently lubricated for long life and smooth operation.

FS50 Flexible power shaft..... **\$14.95**

FIVE PIECE ROTARY BURR SET FOR FLEXIBLE SHAFT TOOLS

Designed for use on hardwoods, softwoods, plywood, aluminum, brass, copper, zinc and sheet metal. Very good for trimming laminates with no danger of splitting or cracking.

5BRS Set of 5 burrs in vinyl pouch..... **\$7.95**

FS/BR (Save \$2.95) Flexible shaft plus 5 burr set..... **\$19.95**



FINEST QUALITY DRILLS COME IN EXTRA LONG SIZES

How many times have you found your standard length drill bit too short for the job? Here, at last, are those extra-long sizes in high-speed steel aircraft drills in all the important and frequently used diameters. Treated surface is fine for all drillable materials. 135° split point reduces skating on smooth, hard surfaces.

| Stock No. | Length | Diameter | Flute Length | Price |
|-----------|--------|----------|--------------|--------|
| 616 | 6" | 1/16" | 7/8" | \$1.25 |
| 6564 | 6" | 5/64" | 1" | \$1.25 |
| 6332 | 6" | 3/32" | 1 1/4" | \$1.00 |
| 6764 | 6" | 7/64" | 1 1/2" | \$1.10 |
| 618 | 6" | 1/8" | 1 5/8" | \$1.10 |
| 6964 | 6" | 9/64" | 1 3/4" | \$1.40 |
| 6532 | 6" | 5/32" | 2" | \$1.40 |
| 6316 | 6" | 3/16" | 2 5/16" | \$1.55 |
| 6732 | 6" | 7/32" | 2 1/2" | \$1.80 |
| 614 | 6" | 1/4" | 2 3/4" | \$2.00 |

T106 Set of 10 six inch drills above
(Save \$1.35)..... **\$12.50**

| | | | | |
|-------|-----|-------|---------|---------|
| 1218 | 12" | 1/8" | 1 5/8" | \$3.20 |
| 12964 | 12" | 9/64" | 1 3/4" | \$3.60 |
| 12316 | 12" | 3/16" | 2 5/16" | \$4.10 |
| 1214 | 12" | 1/4" | 2 3/4" | \$4.50 |
| 12516 | 12" | 5/16" | 3 3/16" | \$6.25 |
| 1238 | 12" | 3/8" | 3 5/8" | \$7.65 |
| 12716 | 12" | 7/16" | 4 1/16" | \$9.65 |
| 1212 | 12" | 1/2" | 4 1/2" | \$11.65 |

T812 Set of 8 twelve inch drills above
(Save \$5.10)..... **\$45.50**

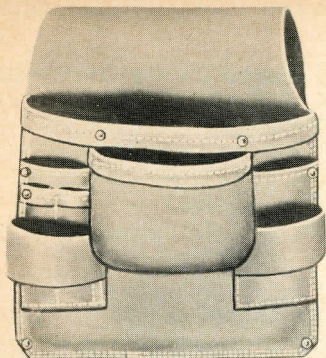
T1818 Set of all 18 drills listed above
(Save \$9.50)..... **\$54.95**



ROSEWOOD FINISHED MARKING KNIFE IS CABINETMAKERS' FRIEND

Used by professionals to mark surfaces where pencil marks may rub off, this handsome tool has two narrow cutting edges on the wide end and a scratch awl on the other end. About 8 1/2" long, 7/8" wide and very handsome. Solid hardwood grips are secured by sturdy rivets.

125W Cabinetmakers' striking knife..... **\$3.95**



LEATHER NAIL AND TOOL BAG FOR RIGHTIES OR LEFTIES

This heavy, top grain moccasin cowhide pouch has a large, flared inside pocket, smaller front pocket and four small tool pockets. It also has two hammer loops, one on each side, for lefties or righties.

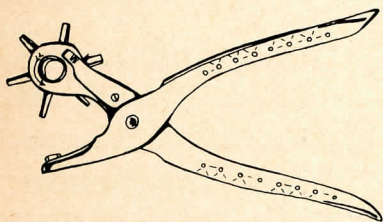
Heavy duty stitching and riveted stress points. 10½" x 12" long.

823M Left/right carpenters' pouch **\$9.95**

"My 610 workbench is one of those things that is so incredibly useful that I wonder how I ever got along without it."

R. D., New York, N.Y.

SIX PUNCH TOOL FOR USE ON LEATHER, FABRIC, RUBBER AND MANY OTHER MATERIALS

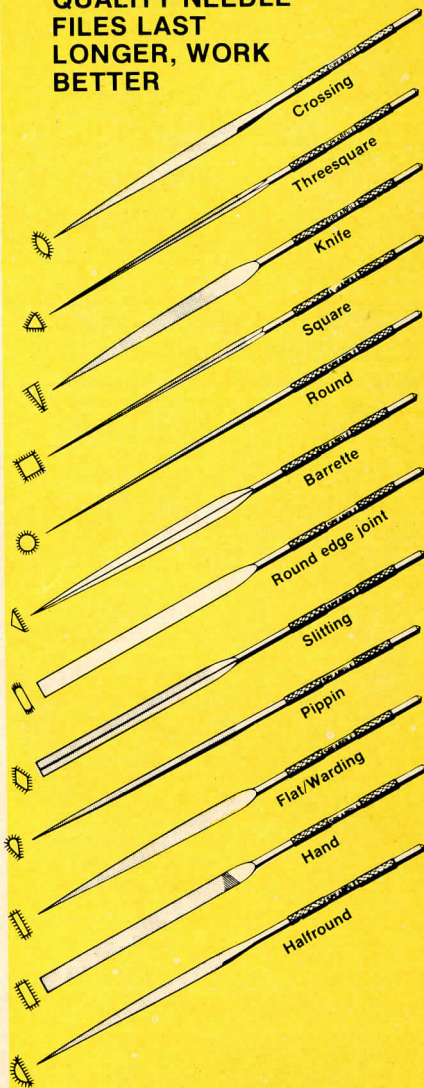


This well made revolving punch plier has six tapered, non-clogging, hardened steel punch dies for making round holes in leather, canvas, rubber, cardboard, plastics and other similar materials. Makes holes 5/64", 3/32", 7/64", 1/8", 5/32" and 3/16".

Chrome plated, heavy gauge steel handles are self opening spring-loaded, always ready for the next punch.

72G Revolving punch plier..... **\$4.75**

INDUSTRIAL QUALITY NEEDLE FILES LAST LONGER, WORK BETTER



These tough, forged chrome steel, needle files look delicate but are rugged and very precise. Longtime favorites of watch and instrument makers, model and tool and die makers; they are rapidly becoming standard equipment (particularly the "0" cut) in fine woodworking shops. Each file is about 5½" long with 2½" cut length.

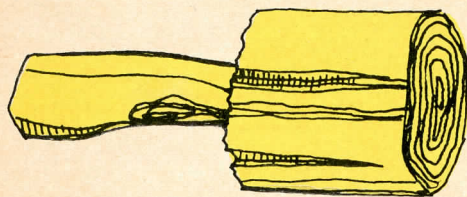
Available in sets of 12, each set in handy vinyl roll.

12-550

12 pc. set of coarse (0) cut needle files ... **\$9.95**

12-552

12 pc. set of medium (2) cut needle files. **\$9.95**



FINE SCULPTOR'S MALLET IS HAND WROUGHT BY HARRY IZENOUR

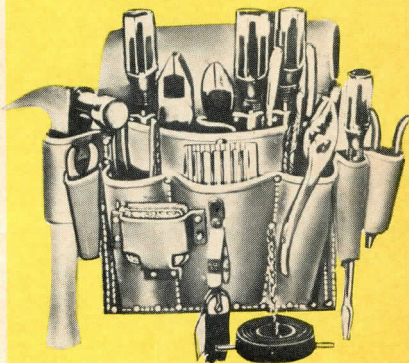
Harry is a sculptor of note and teaches at Kent State. he works each of these excellent mallets from a single limb of osage orange . . . A rare, beautifully grained wood, found mostly in Northeastern Ohio. Harry states that osage is just about equal to lignum vitae in necessary mallet properties. He ought to know!

The wood is treated with natural wax to protect it from dehydration and checking. Each mallet is, of course, hand-wrought and unique. Occasional checks do not alter usefulness or beauty.

These fine mallets weight $2\frac{1}{2}$ to 3 pounds. Each is carefully formed for comfort in the hand and good balance. Some of our customers so admire the rustic beauty that they buy them for bookends or ornamental display. Naturally, supplies are limited by Harry's available spare time. We are very pleased to present these beautiful pieces by a fine local artist.

H275 Harry's mallet..... **\$7.95**

EIGHT POCKET TOOL POUCH IS FAVORITE OF ALL MECHANICS

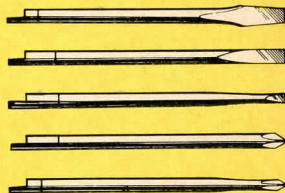


This fine, top grain cowhide pouch has every pocket that you're ever likely to use - and it's great to have all the tools for a job with you.

Pouch includes large partitioned center pocket with three screwdriver pockets and three flared 3" wide front plier or box rule pockets. The steel tape pocket holds up to 10' tapes. There is also a side screwdriver pocket. Outside hammer loop, quick release tool snap and tape sling and special pockets for wire stripper or long screwdrivers.

$8\frac{1}{2}$ " x 10" with tunnel belt loop large enough for wide belts.

500M 8 Pocket leather tool pouch **\$12.95**



TOP QUALITY RATCHET SCREWDRIVER HAS BLADE FOR EVERY USE

This is the best ratchet screwdriver we've seen because it is very rugged, has a good selection of bits and is easiest to change blades.

Blades slip in and out of ratchet handle without the need of lock screws. The ratchet has left turn, right turn, and full lock position, easily changed by a flip of your thumb. High impact resistant red plastic handles will withstand rough handling. Blades are carefully ground and heavily plated to resist rust.

5 Blade assortment includes $\frac{3}{16}$ ", $\frac{9}{32}$ " and $\frac{5}{16}$ " width slot blades and No. 1 and No. 2 Phillips types. Full set in protective plastic roll.

500 Ratchet screwdriver set..... **\$11.95**

HARD ARKANSAS FILE SET FOR CARVERS, GUNSMITHS, TOOLMAKERS, TURNERS

This highest quality five piece set of approximately 4" long white hard Arkansas stones includes square, round, diamond, triangular and knife blade shapes to hand hone or polish small edges, grooves, notches and other hard to reach places.

FH5 Five piece file set in individual vinyl pouches..... **\$15.95**



"Today my set of chisels arrived and I am very pleased with their quality. It is getting difficult to find better tools these days."

R. W., Anchorage, Alas.

"Thank you for the service and the fine products you sell."

F. H., Anchorage, Alas.

FIBERGLASS ELECTRICIAN'S HAMMER IS GREAT FOR ALL USES

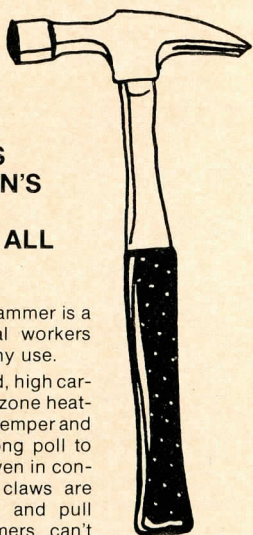
This shockproof hammer is a must for electrical workers but practical for any use.

The head, of forged, high carbon steel, is triple zone heat-treated for perfect temper and hardness. Extra long poll to get a solid blow, even in confined areas. The claws are designed to grab and pull nails other hammers can't begin to reach.

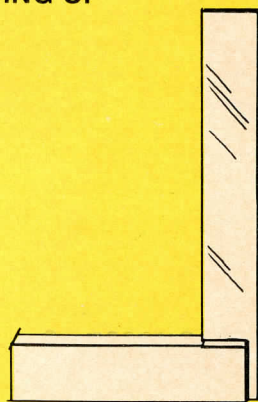
The handle is of shockproof polyester resin reinforced with continuous strands of fiberglass . . . an indestructable combination to prevent electrical shocks as well as nerve-jarring vibration. Neoprene grip is sure and comfortable.

The handle is permanently bonded to the highly polished head. 18 oz. head, 14" long.

E18F Electrician's hammer..... **\$11.95**



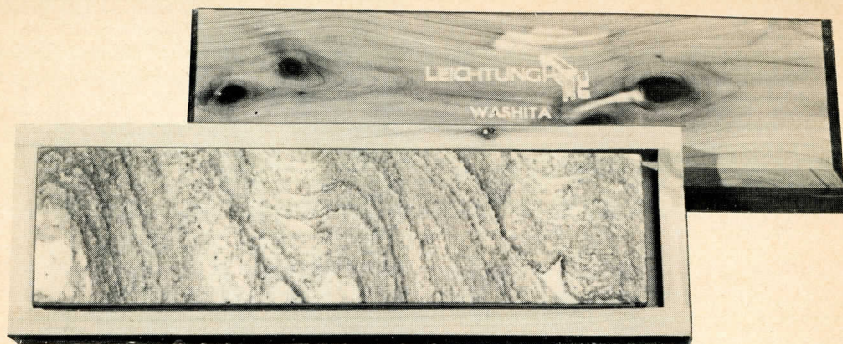
ENGINEERS SQUARE IS IMPORTANT FOR ACCURATE SETTING UP



Extreme accuracy is a vital first step in setting up table saws and other machine tools if the end product is expected to be square and precise. These beautifully made precision squares will guarantee that accuracy.

Made entirely of highest quality steel, all surfaces and edges are ground to tolerances of $\pm .015$ MM . . . precision, indeed!

| | | |
|--------------|---------------------------|----------------|
| 94RC | 4" Engineers square..... | \$ 7.95 |
| 96RC | 6" Engineers square..... | \$ 8.95 |
| 99RC | 9" Engineers square..... | \$17.50 |
| 912RC | 12" Engineers square..... | \$26.95 |



NATURAL ARKANSAS SHARPENING STONES ARE THE WORLD'S FINEST FOR ANY EDGE TOOL

No matter how good your cutting tools are, they'll need frequent honing and occasional grinding. Quality tools require quality stones and there's no man-made stone in the world to equal a natural Arkansas! The finest you can own is the Leichtung 8" stone system which can take an edge from totally dull to surgically sharp with a minimum of time and effort.

Start with our fast cutting Washita for a sharp utility edge. Follow with the soft Arkansas for a truly keen edge. Final finishing is accomplished with the surgical black hard Arkansas for the smoothest, keenest edge possible by hand honing. (The "black" removes even microscopic burrs!)

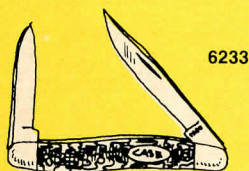
Each stone is packaged individually in a dustproof cedar box. (Only Washita stone shown.) Stones are approximately 8" x 2" x 1/2" - a size and shape to last a lifetime. (We own one which has been in steady use for a century!)

Always use a quality, light honing oil with any stone.

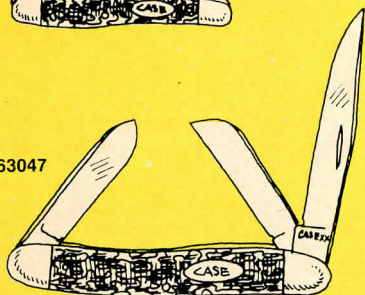
| | |
|--|----------------|
| WTC8 8" Washita in cedar box and cover..... | \$11.95 |
| STC8 8" Soft Arkansas in cedar box and cover..... | \$12.95 |
| BTC8 8" Black hard Arkansas in cedar box and cover..... | \$27.95 |
| WSB8 (Save \$3.90) Set of all three of the above stones, each in cedar box and cover..... | \$48.95 |

For a keen, smooth edge just a step (and a lot of elbow grease!) short of the razor sharpness produced by the black hard Arkansas, the white hard Arkansas is a popular favorite.

| | |
|--|----------------|
| HTC8 8" White hard Arkansas in cedar box and cover..... | \$21.95 |
| HON-1 3 oz. Leichtung's Arkansas stone honing oil..... | \$1.00 |



63047



"CASE XX" QUALITY POCKET KNIVES IN FAVORITE SHAPES

Here are two favorite pocket knives by the world's finest manufacturer of knives and cutlery. Each with nickel-silver lining and bolster.

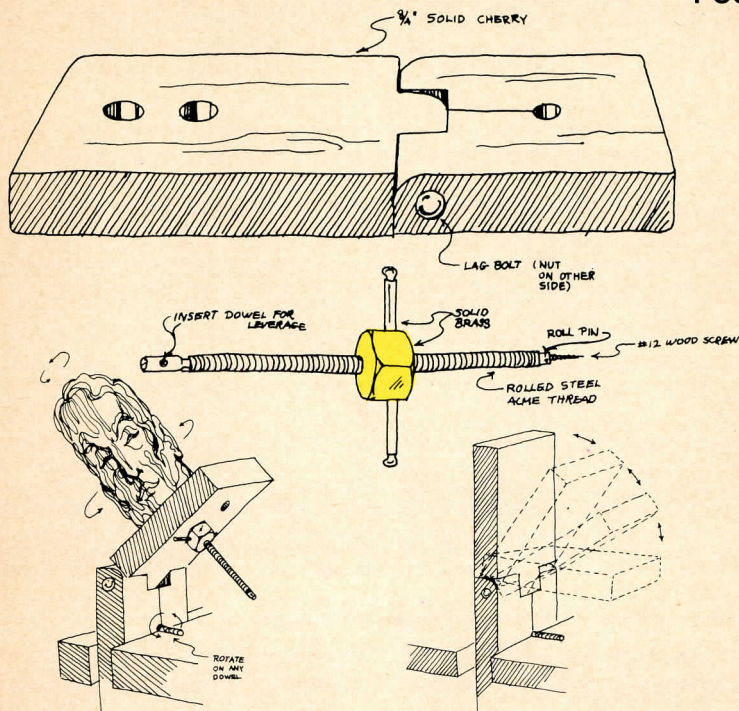
The famous "Californian" is a three-bladed knife of superb quality. Blades are favorite clip, sheep and spey shapes of factory honed chrome vanadium steel. 3 7/8" closed.

The slim "Gentleman's Pocket Knife" is designed for today's close fitting trouser fashions. It features one clip and one pen shaped blade of chrome vanadium steel, both factory honed. 2 5/8" long closed.

Both knives proudly display the famous Case name on the shield.

| | |
|--|----------------|
| 63047 "Californian" 3 bladed knife..... | \$12.95 |
| 6233 "Gentleman's Pocket Knife" 2 bladed..... | \$8.95 |

REISINGER CARVER'S KNEE AND SCREW HOLDS WORK IN ANY POSITION

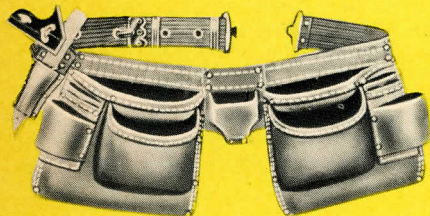


This fine idea came from a friend and customer, Dutch Reisinger. The knee, 17 $\frac{7}{8}$ " overall, is made of solid cherry. The 8 $\frac{3}{4}$ " screw of cold rolled steel has a rolled precision thread. Nut is of solid brass.

Used together, the screw and carver's knee will hold your workpiece in any locked position you require.

| | |
|--|----------------|
| CS Carver's screw, solid brass nut | \$18.95 |
| CK Carver's knee..... | \$25.95 |
| CS/CK Screw and knee combination (Save \$4.95)..... | \$39.95 |

LEATHER TOOL CARRIER HOLDS EVERYTHING



Here is the finest quality tool carrier we have ever seen. Ideal for anyone who ever has to work away from his shop.

Has two large, flared nail pockets and two smaller front nail pockets, six small tool pockets, combination square holster and a large tape pocket for tapes up to 25'.

Double stitched and rivet reinforced throughout. Mounted on a heavy, 2 $\frac{1}{4}$ " army pistol-type web belt with extra heavy duty hardware.

Constructed of tough, 5 $\frac{1}{2}$ " brown moccasin cowhide.

427M Construction workers' apron **\$22.95**

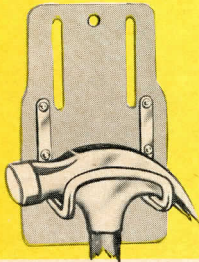
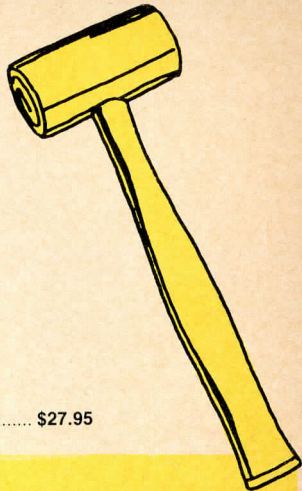
TOUGH RAWHIDE MALLET'S STRIKE CLEANLY, NEVER MAR

Neatly made water-buffalo-hide mallets work gently on parts without marring or damaging finishes. Comfortable hardwood handles are firmly fastened to heads with rustproof copper screw. Even sharp blows will not harm or mar surfaces and finishes.

Five sizes offer a variety to cover many shop uses. Ideal for electrical workers, jewelers, etc.

| Item No. | Face Diam. | Head Lgth. | Wt. (Oz.) | Price |
|----------|------------|------------|-----------|--------|
| 0GA | 1" | 2" | 2 | \$4.50 |
| 1GA | 1 1/4" | 2 1/2" | 4 | \$5.00 |
| 2GA | 1 1/2" | 3" | 6 | \$6.25 |
| 3GA | 1 3/4" | 3 3/8" | 9 | \$7.25 |
| 4GA | 2" | 3 1/2" | 11 | \$8.50 |

GA555 (Save \$3.55) set of all 5 above mallets..... \$27.95



HAMMER HOLSTER KEEPS HAMMER HANDY

Repairmen, carpenters, home-handymen all like the idea of having the tool handy when they need it. This ever-ready cradle loop holds your hammer snugly in place.

Securely riveted. Wide belt slots.

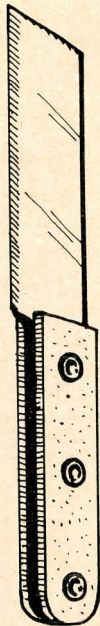
439M Handy hammer sling \$1.95

STURDY HACKING KNIFE IS MADE TO BE HAMMERED

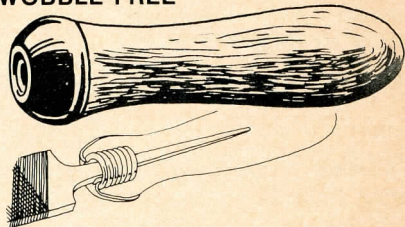
This remarkable tool has an incredibly hard Sheffield Steel cutting edge but the back of the blade is malleable and therefore able to absorb countless hammer blows without breaking.

Use it to cut heavy cable, remove old putty, as a plugging chisel for cutting holes in wallboard - any place where the cutting edge needs the force of a hammer blow to do the job. Easily sharpened, virtually indestructible. Handles are twin leather slabs held by 3 nickel-plated rivets. About 8 3/4" long; trule a tool of many uses.

146F Hacking knife \$3.95



HARDWOOD SAFETY HANDLES FIT MANY TOOLS, WOBBLE-FREE



Four sizes to fit all file shanks (except needle files). These remarkably well-designed (yet inexpensive) handles will also accommodate other tools to provide rigidity, comfort and complete safety.

Metal parts are well made and heavy duty. The hardwood handles are made to last. Handle is released from tool by striking the ferrule against the edge of the workbench. May be reused many times.

| Item No. | Size | Lgth. of File Lgths. | Handle | Price |
|----------|------|-------------------------|--------|--------|
| 0P | 0 | 3"-6" | 3" | \$1.25 |
| 1P | 1 | 6"-10" | 4 1/2" | \$1.25 |
| 2P | 2 | 10"-14" | 5" | \$1.25 |
| 3P | 3 | 14"-16" | 5 1/2" | \$1.25 |

Select any three handles..... \$3.00

TUNGSTEN CARBIDE GRIT FILE SMOOTHS WOOD AND MANY MATERIALS



Originally designed for smoothing the cut edges of ceramic tile, this tool has been found extremely effective on wood, glass, plastics, stone and many other materials except steel.

Approximately 12" long. Medium grit on one side, fine grit on the other.

24 Tungsten carbide grit file..... \$3.95



MINI-HAND VISE HOLDS SMALL PARTS FOR FINE WORK

Here's the tool you need for holding small work to be polished, ground, burnished, brushed, heated, welded, brazed, machined - or anything else that requires a firm, unfailing grip or could be injurious to your fingers.

5" long with 1½" wide jaws, this steel tool will open 1¼". The malleable iron jaws are held by spring tension and clenched by a wing-nut controlled adjusting screw. Jaw faces have machined horizontal and vertical v-grooves for holding work firmly.

109Z Adjustable hand vise..... \$2.95

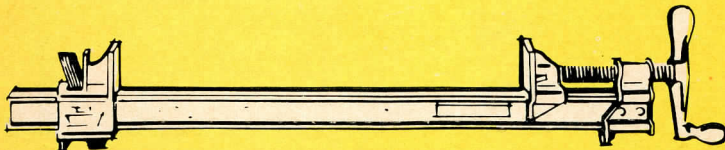
"Your service really impresses me, especially in these days when nothing seems to go on schedule. You have a great organization."

D. S.,

"Even my wife is pleased, and topped it all with, 'If you can make furniture that looks as good as the bench, you will really be showing your talent'."

R. B., Los Angeles, Calif.

HI-SPEED "T"-BAR CLAMP GIVES POSITIVE HOLD, WON'T BOW



The tailstop automatically and positively locks at whatever position you select on the "T"-bar in seconds. The head is fixed on the end of the "T"-bar and the jaw moves along the bar as the screw is opened or closed. The workpiece placed between the faces of the jaw and tailstop, is locked firmly in position by tightening the screw.

The "T" construction of the bar makes it especially strong and firm, not subject to bowing or buckling. (Load limit 6800 lbs!)

| | | | |
|-----------------------------|---------|-----------------------------|---------|
| 7224 24" "T" Bar clamp..... | \$15.00 | 7236 36" "T" Bar clamp..... | \$16.50 |
| 7248 48" "T" Bar clamp..... | \$18.50 | 7260 60" "T" Bar clamp..... | \$20.00 |

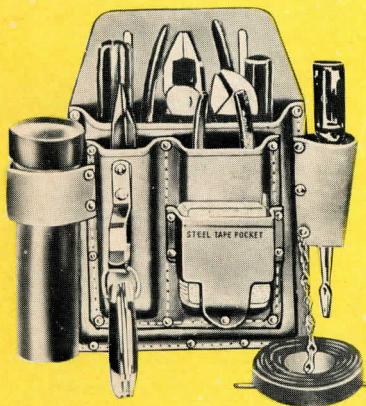
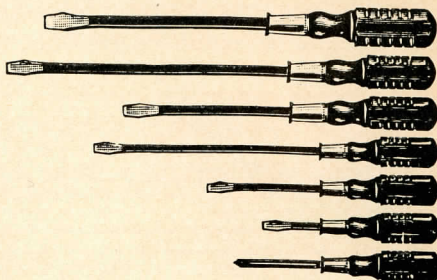
7456 Set of 4 glue-resistance clamp pads for pipe clamps and bar clamps.....\$2.50

GENERAL PURPOSE 7 PIECE SCREWDRIVER SET - MADE TO TAKE ABUSE AND STILL GIVE YEARS OF SERVICE

Most screwdrivers, even expensive ones, are not parallel ground and simply do not fit the screw slot as precisely as these. This set is made of high quality carbon steel, hand forged and tempered for extra toughness. Shanks are square to accommodate a wrench for extra torque.

Each of the 7 screwdrivers in this set is fitted with a square, hardwood handle in proportion to the blade. Handles are slotted for firm grip and attractively stained. Ferrule is nickel plated steel. Blade lengths range from 2" to 8"; largest tip is about $\frac{5}{16}$ " wide x $\frac{3}{64}$ " thick; the smallest about $\frac{3}{16}$ " x $\frac{1}{32}$ ". Includes a no. 2 point Phillips for extra versatility.

SH-72 7 Pc. screwdriver set..... \$6.50



LEATHER MECHANICS' POUCH HOLDS 12 TOOLS

This top grain, *pre-formed* tool holder is made of top grain cowhide, that can really take punishment. The large, main pocket is $1\frac{1}{2}$ " deep by 6" wide. Pouch also has two front pockets and a side screwdriver pocket, hammer loop, quick release tool snap and tape chain sling.

Heavy stitched throughout, with heavy duty steel rivets at every stress point. Pouch is $6\frac{1}{2}$ " long and slotted to mount on belt.

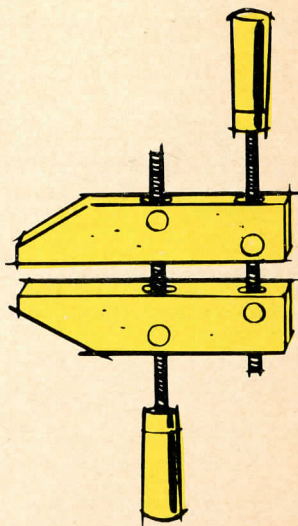
690M Mechanics' pouch..... \$5.95

HANDSCREW CLAMPS ARE A MUST FOR ALL WOODWORKERS

Used for clamping parallel pieces in gluing up stock; right angles and even odd angles that require extra holding strength without marring.

Our handscraws have jaws made of finest quality, flawless maple, seasoned and oil impregnated. Spindles are tough, drawn steel and handles are turned hardwood with plated steel ferrules. Available in seven sizes to satisfy all shop needs.

| Item No. | Jaw Length | Open Cap. | Price |
|----------|------------|-------------------|---------|
| 50J | 4" | 1" | \$ 7.60 |
| 30J | 6" | 3" | \$ 8.90 |
| 0J | 8" | 4 $\frac{1}{2}$ " | \$10.50 |
| 1J | 10" | 6" | \$12.10 |
| 2J | 12" | 8 $\frac{1}{2}$ " | \$13.90 |
| 3J | 14" | 10" | \$17.50 |
| 4J | 16" | 12" | \$22.90 |



TUNGSTEN CARBIDE CUTTER FOR ACRYLIC, FORMICA, VINYL TILE, PLASTICS

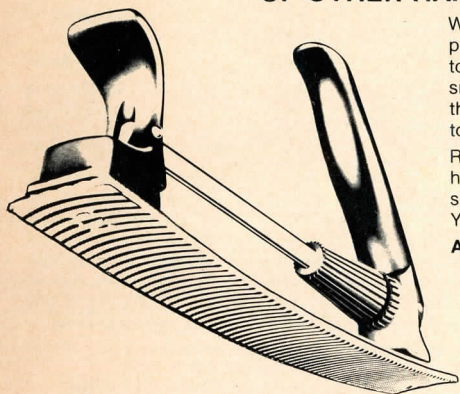
Tungsten Carbide is almost as hard as diamond. The Tungsten carbide blade tip on this well designed, professional tool easily scores and cuts Formica, plastic laminates, acrylic sheet, vinyl floor tile, even thin sheet metal. Simply draw the knife toward you against a straightedge with moderate pressure on the piece to be cut. When scored, the material will break cleanly along the line.

Knife is about 6 1/4" long with comfortably large handles for firm grip. Blade is double ended and can be reversed for double wear life.

317 Tungsten Carbide cutter \$3.95



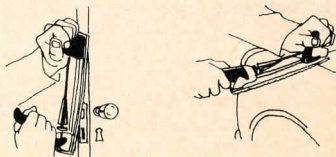
INCREDIBLE TOOL PLANES, TRIMS, STRIPS PAINT AND DOZENS OF OTHER HARD TO DO JOBS



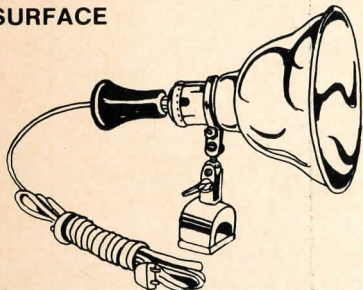
Whether it is easing stuck doors, stripping rust or old paint or sharpening garden tool blades, this amazing tool will do it better and faster. Finishing laminate, smoothing fiberglass and auto body filler are easy for this tool. It strips everything from softest wood to toughest metal easily and quickly.

Reversible blade has curved tool side for brass, copper, hardwood and fast stripping of softwood. Straight tooth side works steel, laminates and edges sheet material. You'll find uses we haven't even thought of yet.

AT100 Trimatool..... \$9.95



MAGNETIC BASE PORTABLE SPOTLIGHT GRIPS ANY STEEL SURFACE



Concentrate the light where you want it with this powerful, UL approved spotlight with bright aluminum reflector.

A powerful, permanent alnico magnetic base grips auto body, appliance, metal support post or even a convenient iron pipe. Ball and socket adjusts to any position.

1060 Magnetic base spotlight..... \$13.95

TUNGSTEN CARBIDE SCRIBER HAS MAGNETIC PICK UP



The almost indestructible hardness of this tungsten carbide tip will scribe or engrave all kinds of metals, glass, ceramics, plastics, china, etc. It can also be reversed into the burred aluminum handle for safety and protection.

The opposite end holds a lifetime alnico magnet ideal for retrieving small steel parts dropped into awkward places.

Pocket clip holds tool in shirt or apron pocket.

CM88 Carbide scriber with magnet..... \$2.50

HIGH QUALITY OILER HAS LONG POLYETHYLENE SPOUT FOR REACHING HARD-TO-GET- AT PLACES



This industrial quality oiler has a tough, polyethylene spout to reach into deep holes or small cavities. The nozzle is solid brass.

The positive action pump valve works easily with gentle thumb pressure. Body and cap parts are also polyethylene, unaffected by oils, grease and petroleum products.

Non-tip body holds 13 1/2 oz.

72W Industrial oiler **\$4.95**

TUNGSTEN CARBIDE BLADES HAVE UP TO 50 TIMES LONGER LIFE THAN CONVENTIONAL STEEL BLADES AND ARE 10 TIMES STRONGER



Anyone with a circular, table or radial-arm power saw will appreciate these precision made tungsten carbide tipped blades because they cut cleanly, accurately and are virtually indestructible in normal use.

Carbide tips are fused . . . not brazed . . . to the tips which means faster, smoother cuts. Furthermore, we offer up to 16 more carbide tips per blade than some other saws. Resharpenable.

May be used on plywood, lumber and all kinds of composition board. Quality at a reasonable price!

| Item No. | Diam. | No. Teeth | Centerhole | Price |
|-------------|--------|-----------|------------|----------------|
| 725U | 7 1/4" | 24 | Universal | \$14.95 |
| 650U | 6 1/2" | 20 | Universal | \$12.95 |
| 10U | 10" | 36 | 5/8" Arbor | \$22.95 |

THREE HANDSOME KNIVES HAVE MANY USES

The 4 1/8" **CABINETMAKER'S KNIFE** is one of the most beautifully crafted tools we have ever seen. The solid, polished brass handle has genuine rosewood grips. Indispensable to carvers, leathercrafters, furniture and cabinetmakers and hand craftsmen of all kinds.

HA10 4 1/8" Cabinetmaker's knife w/blade. **\$8.95**



The 6" x 1/2" hardened and polished, precision ground chrome vanadium (hacksaw steel) blade runs through the handle and may be extended by loosening the lock screw for a lifetime of future edges.

The 4 5/8" **MILL KNIFE** has the same fine quality blade only longer and wider - 6 1/2" long x 3/4" wide - for more rugged use. The hefty handle is die cast aluminum with brushed finish and perfectly fitted walnut handles.

43HM 4 5/8" Mill knife **\$6.95**

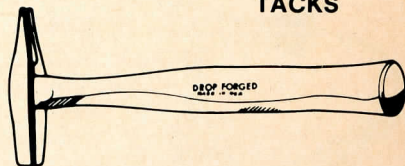


The fine little **WHITTLER'S KNIFE** is a carver's dream. It weighs only an ounce and is so comfortable in the hand you can use it for hours without tiring. The blade is of tough, 17 gauge steel and will take and hold an edge. The chrome plated steel ferrule and finished hardwood handle are resistant to rust and daily buffeting. Great for soft wood, plaster, plastic, clay and soap.

WH5 Whittler's knife **\$3.90**



DOUBLE DUTY MAGNETIC HAMMER PLACES AND DRIVES TACKS



One end of this forged steel magnetic hammer holds the tack while you tap it into the exact spot you want. Then, flip the hammer to the broad faced side and drive the tack home with one or two solid blows. A very handy tool for upholstering, carpet installation, decorators and many crafts.

Hickory handle, black paint over forge finish. 5 oz. head, 11" long.

TH5 Double duty tack hammer **\$3.95**

SUEDE FINISH LEATHER TOTE BAGS HAVE 1000 BEAUTIFUL USES

We have seen these handsome totes used for everything from shopping bags to big purses for women and from carry-on flight bags to tool carriers for men. They do all these jobs very well and there are probably dozens more you'll think of.

The genuine, suede finish, heavy-weight leather is double stitched throughout and boldly riveted in points of greatest stress. Extra strength leather handles, rolled over heavy rope core to prevent folding and permit more comfortable grip, are double stitched and riveted to the bag. Deep tan color. Useful? You bet... but above all, really beautiful.

The hard bottom, firmly riveted to the leather bag, prevents wear and soiling when placed on the ground. Truly the utmost in thoughtful design and quality.

- BLSM** Big leather tote bag 11¾" x 5½" x 11¾" deep **\$16.95**
- BLG** Extra roomy tote bag 14½" x 7" x 16" deep **\$23.95**



HANDY TOOL MAKES STARTING SCREWS EASY

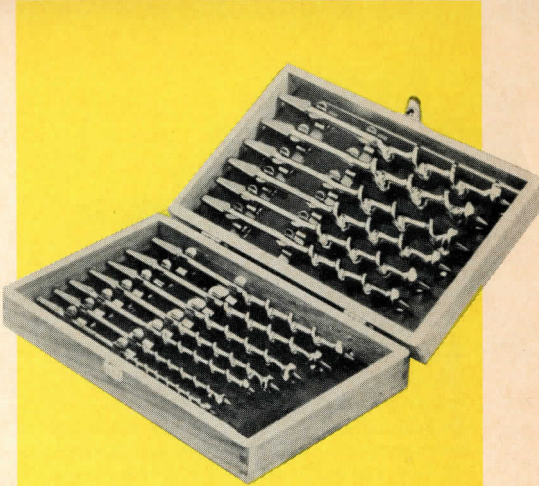


Here's a high quality, fully tempered steel tool, screw starter. A breeze for even unskilled workers. Eliminates need for drills, punched holes and other "make do" devices.

Just place the screw tip at the precise spot the screw is to be inserted... and twist. One hand operation permits free hand to hold item being secured. Sharp point bites fast, clean.

Blade is securely "wing-locked" into the comfortably shaped, finished hardwood handle.

- 900** Screw starter..... **\$1.50**



WORLD'S FINEST AUGER SET COMES IN HARDWOOD PROTECTIVE CASE

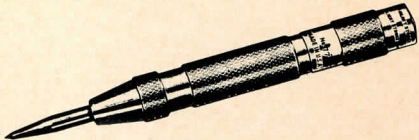
If you love woodworking and don't yet own a set of fine wood augers, you have waited long enough.

Each beautiful tool is forged from a single piece of special analysis steel, heat treated and tempered full length for extra strength and longer life. Cutters and extension lips will outlast all other steel augers. Open throat design will not clog. Truly a pleasure to own and use.

The handsome hardwood case has dovetailed corners and high finish. Each bit is held in place by patented spring clips and bit sizes are clearly marked on box liner. Attractive metal hinges and spring clip hold lid securely.

13 piece set includes ¼" to 1" in 1/16" steps.

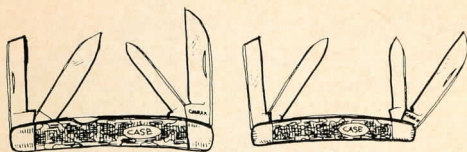
- DM-13** 13 Pc. Auger set in hardwood case **\$39.95**



AUTOMATIC CENTER PUNCH IS SPRING LOADED FOR UNIFORM IMPRESSIONS

This handy ball bearing punch has a precision machined, light-weight, knurled aluminum body. The moving parts are all made of hardened tool steel, including the point. Excellent for repetitive punching and for eyelet or connector riveting. Spring tension can adjust for desired heavy or light stroke. 5" long x 5/8" diameter.

- 77G** Automatic center punch..... **\$5.50**



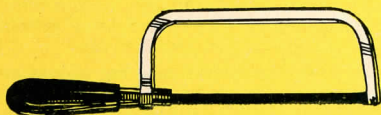
CASE XX POCKET KNIVES ARE THE WORLD'S FINEST

These superb "Whittlers" from America's leading knife maker are classics - so fine they are sought by collectors the world over.

Each knife has four blades - sheep, spear, pen and coping shapes. Blades are all factory honed chrome vanadium steel. The classic "Case" shield in the delstag handles attest to the century of unequalled craftsmanship and quality.

| | |
|----------------------------------|---------|
| 64052 3 1/2" small Whittler..... | \$18.50 |
| 6488 4 1/8" large Whittler..... | \$19.50 |

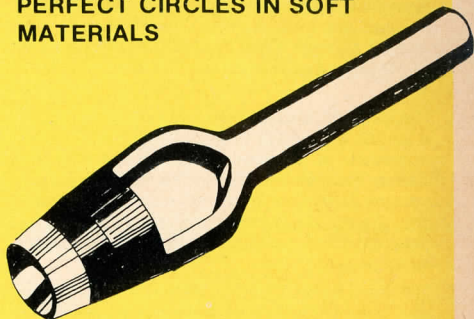
MINI-HACKSAW CUTS METAL, PLASTICS AND OTHER TOUGH MATERIALS



Here's a little hacksaw that does big work in small spaces. Only about ten inches long, with thin, flat steel frame, it has a fine tooth 6" cutting blade excellent for metals, plastics, and composition material of all kinds.

| | |
|-----------------------|--------|
| 212 Mini-hacksaw..... | \$2.50 |
|-----------------------|--------|

DURABLE ARCH PUNCHES CUT PERFECT CIRCLES IN SOFT MATERIALS



The finest arch punches we could find, drop forged of high quality tool steel, hardened and tempered to give years of service.

Whether it's the hole you need or the piece you cut out, this is the finest way to get a perfectly round circle in any soft or fibrous material like cork, rubber, leather, Formica and other laminates, felt, cloth, cardboard, foil or other similar materials.

Easy to use. Simply place material to be punched on wood backing (end grain is usually best), place punch in position and strike with mallet or hammer.

Easily sharpened with file or abrasives. Made to U.S. Government Specifications.

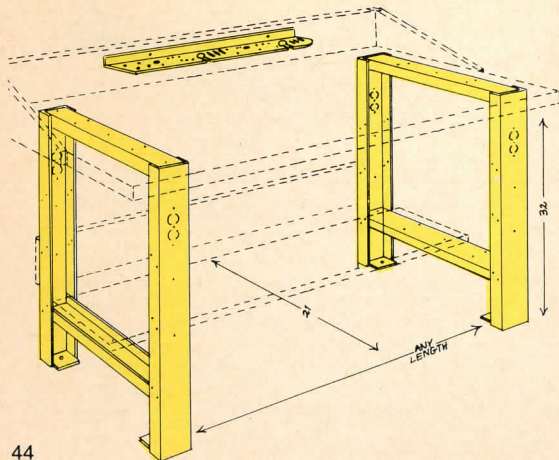
| | |
|--------------------------------|---------|
| AP18 1/8" diam..... | \$2.45 |
| AP14 1/4" diam..... | \$2.45 |
| AP38 3/8" diam..... | \$2.75 |
| AP12 1/2" diam..... | \$2.95 |
| AP58 5/8" diam..... | \$3.75 |
| AP34 3/4" diam..... | \$3.95 |
| AP78 7/8" diam..... | \$4.95 |
| AP11 1" diam..... | \$5.35 |
| AP888 Set of all eight punches | |
| - save \$2.65..... | \$25.95 |

STURDY STEEL LEGS CAN MAKE WORK AREA, UTILITY TABLE, POWER TOOL STANDS

Great for making a sturdy, heavy duty drill press, lathe or power tool stand. Old planking needs only these rugged legs to make a workbench or utility table.

Formed of rugged 16 gauge steel and finished with beige baked enamel, they come four to a set with all necessary hardware, easy assembly instructions. A free 24" tool rack with slots and holes to hold 34 tools is included.

| | |
|------------------------------------|---------|
| LEG4 Steel legs and tool rack..... | \$20.95 |
|------------------------------------|---------|



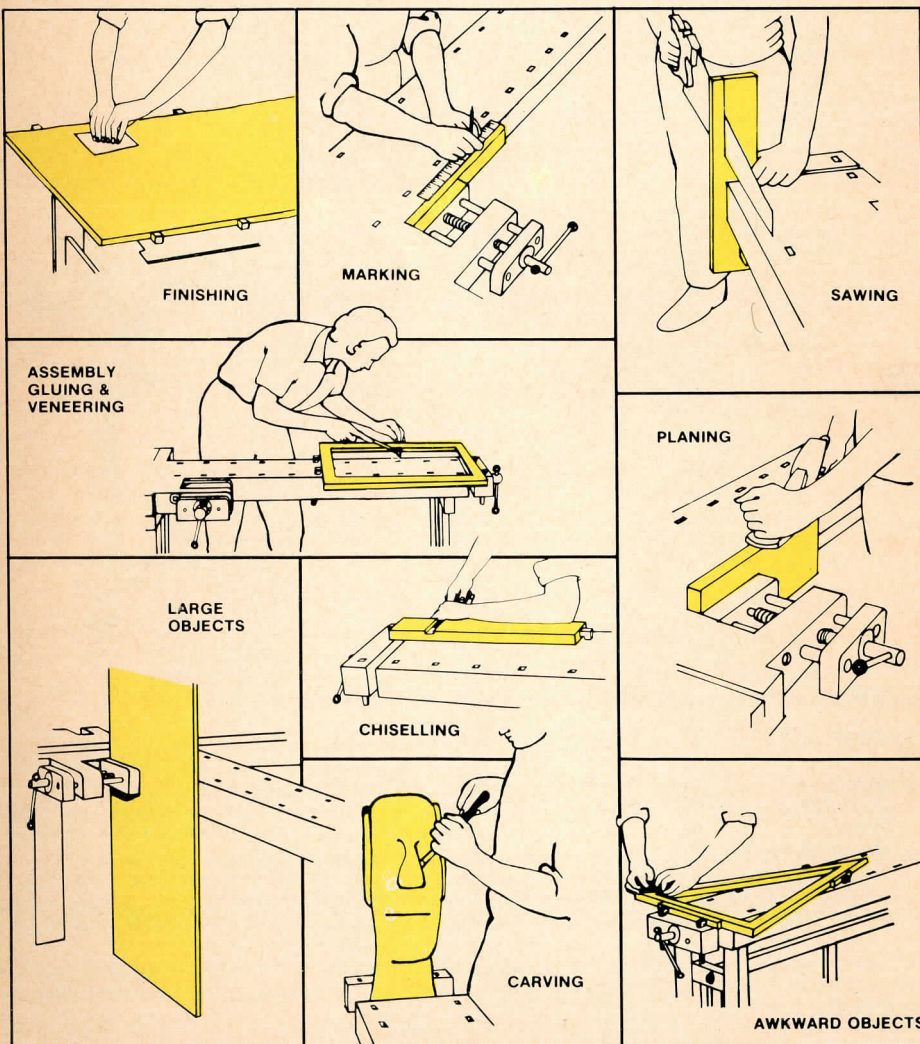
EXCLUSIVE LERVAD FOUR-POINT SURFACE-HOLD SYSTEM

"Anything less than the very best", say our customers, "we can find at the local hardware or discount store. Therefore, show us only the best." For that reason we have deleted all woodworking benches from this new catalog except the world-renowned Lervad benches from Denmark.

We believe, for good reason, that Lervad benches are not only the finest woodworking benches made, but nobody else even comes close! Every Lervad benchtop of flawless Danish beech is as fine as the costliest furniture. They are masterpieces of joinery and precision construction. The finishes are infinitely durable under normal woodcraft usage. And they offer all the unique and wonderful features for which Lervad is famous and which master craftsmen demand.

As you leaf through this catalog you will find that it includes just four sizes of Lervad benches in eight models. All of them can perform all of the 4-point surface holding functions illustrated below. All but the smallest has both shoulder and tail vises. Some have cabinets, and some, at your request, are tops only.

If you are limited by space, select a smaller bench. If cost limits your selection, we suggest that you sacrifice cabinetry or legs and set your bench top on utility legs. But do not, under any circumstances, forego the unique pleasure of owning and working on the magnificent Lervad top. Don't miss the delight of using the world's finest woodworking bench.



BEST-OF-THE-LINE LERVAD MODEL 611 NOW AVAILABLE THREE WAYS: TOP COMPLETE WITH LEGS - AS TOP ONLY - OR TOP WITH FULL CABINET/LEGS:

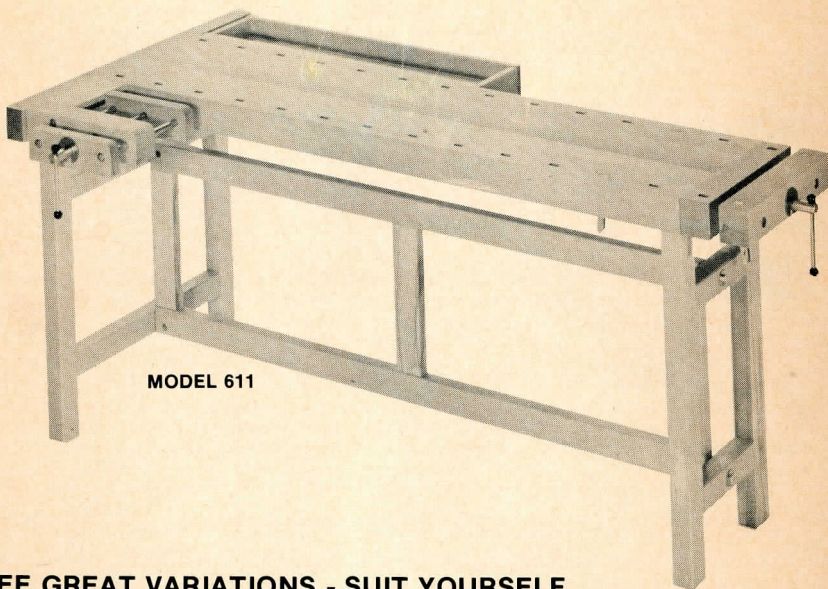
If you are not familiar with what makes the Danish Lervad family of fine benches the acknowledged leader in its field, turn to the back cover of this catalog for a description of a typical Lervad bench's quality and functional versatility.

Most simply stated: Lervad keeps you close to your work, since you work *around* the bench rather than having to constantly reposition your workpiece. This is accomplished by a simple integration of the four-point surface-hold system with a full horizontal hold vise **PLUS** a second full vise for vertical holding.

The Model 611 is large enough to handle a full-size grandfather's clock! Because of its size, the Model 611 cannot be folded away for storage.

SPECIFICATIONS

| | |
|---|-------------------------|
| Length (vise closed but including tool well)..... | 80" |
| Height..... | 33" |
| Width of end with shoulder vise..... | 36" |
| Width at end with tail vise..... | 15 $\frac{3}{4}$ " |
| Capacity of bench dogs..... | 72" |
| Tail vise capacity..... | 6 $\frac{1}{4}$ " |
| Shoulder vise capacity..... | 10" x 6 $\frac{1}{4}$ " |
| Space between bench slots..... | 5 $\frac{3}{4}$ " |
| Weight..... | 174# |

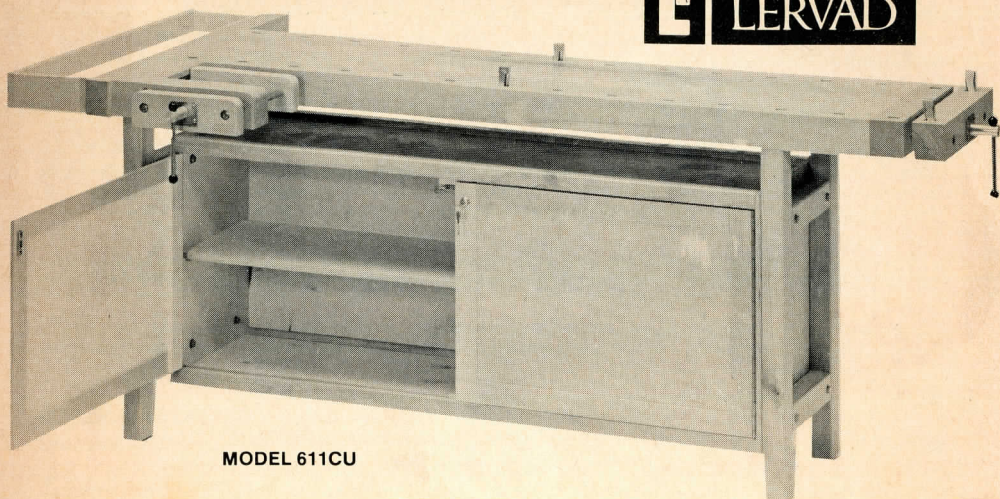


MODEL 611

THREE GREAT VARIATIONS - SUIT YOURSELF

1. **MODEL 611 Complete** (as shown) with legs and hardware to fix top to legs and legs to floor
\$419.00 FRT. COLLECT
2. **MODEL 611T** (Top only - including vises, installed and ready to go, and 4 steel bench dogs) Wt. 126 lbs. For those who'd like to make their own legs or install top as part of their own shop system and save \$90.00..... **\$329.00 FRT. COLLECT**
3. **MODEL 611CU Complete** (as shown on opposite page) with spacious lacquered cabinet (53 $\frac{3}{4}$ " long x 21 $\frac{1}{2}$ " high x 15 $\frac{1}{2}$ " deep). Piano hinged doors; barrel lock and key; one full-length, 54 $\frac{1}{4}$ " shelf of $\frac{3}{4}$ " edged plywood so that you can design the cabinet interior to suit your own needs. Complete unit weighs 210 lbs. Quite simply: The best money can buy..... **\$519.00 FRT. COLLECT**

All three models include 16-page bound manual, "How To Use Your Lervad Bench" along with setup instructions (611 and 611CU). 611 and 611CU are packed in two cartons: top in first carton, legs or legs/cabinet in second.



MODEL 611CU

SUPERB LERVAD MODEL 610 WOODWORKING BENCH NOW AVAILABLE WITH A STORAGE CABINET BELOW.

For the first time ever, the Lervad 610 (fully described with dimensions on the back cover) is available with a spacious cabinet (43" long x 21½" high x 10½" deep).

The two doors are mounted on powerful piano hinges and are provided with a well-made barrel lock and key to protect valuable tools. Outside of cabinet is coated with a high quality lacquer.

One full-length, 42¼" shelf of ½" edged plywood is provided for the interior of the cabinet. Thus, you may design the interior of the cabinet to suit your own needs.

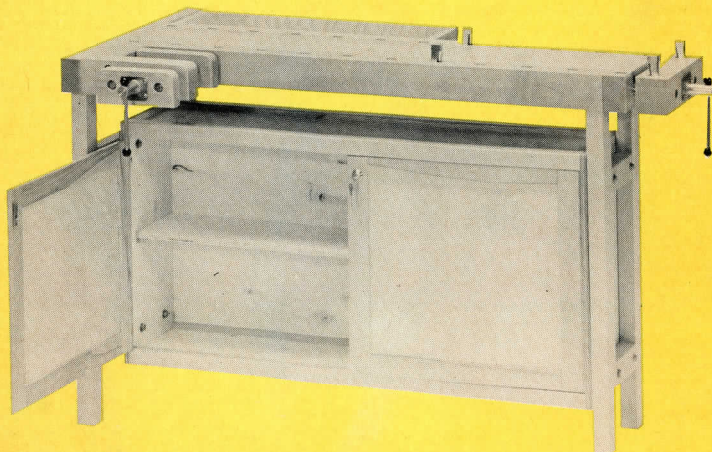
The top is in one shipping carton; the legs/cabinet are in a second carton. Full setup instructions and hardware are included, as well as the 16-page manual, "How To Use Your Lervad Bench".

The Lervad 610CU (and the 611CU) are the only workbenches in the world to feature both the exclusive Lervad four point surface-hold system **AND** a very convenient built-in cabinet.

Note - naturally, the foldaway feature of the Model 610 is not feasible on the Model 610CU.

MODEL 610CU

(Including all necessary hardware, setup instructions and manual) **\$359.00 FRT. COLLECT**



MODEL 610CU

WORLD FAMOUS LERVAD DANISH WOODWORKING BENCH NOW AVAILABLE COMPLETE WITH LEGS OR AS A TOP ONLY

The most popular Danish workbench in America is the Model 610. Almost 2000 are in use today. Why? Quality and complete versatility. Constructed throughout of first quality, solid Danish beech, the timber is kiln dried, sanded and then immersion-impregnated in linseed oil. The tolerances of .008 inches will be preserved throughout years of use. An occasional wiping with linseed oil is all the maintenance it will ever need.

Exclusive Lervad four-point surface-hold system. Only Lervad, of all bench makers, provides two full rows of rectangular bench slots and four dogs. As master craftsmen in their own right, they reason that since 95% of all workpieces are variations of a rectangle, a four-point surface-hold is superior to the usual two-point system. A simple concept, brilliantly executed.

The four-point surface-hold system (basic on **ALL** Lervad benches) along with the unique combination of a shoulder vise unimpeded by spindles and a full width tail vise, allows Lervad benches to hold virtually any size or shape of workpiece, in practically any position without the use of auxiliary clamps. The rectangular dogs will not rotate or slip.

The tool well may be positioned either at the end of the bench or on the side opposite the shoulder vise. All hardware provided. Assembly instructions (for 610) and a 16-page manual of uses come with each Lervad bench or bench top.

MODEL 610 (Complete with hardware and legs that fold for storage, if desired)

\$279.00 FRT. COLLECT

MODEL 610T (Top only - Including vises installed and ready to go and 4 steel bench dogs) for those who'd like to make their own legs or install top as part of their own special shop system.

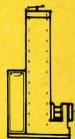
Save \$80.00 **\$199.00 FRT. COLLECT**

SPECIFICATIONS

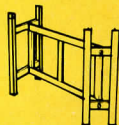
| | |
|--|-------------|
| Length (vise closed but including tool well) | 60" |
| Height | 32 1/4" |
| Width of end with shoulder vise | 27" |
| Width at end with tail vise | 10 1/2" |
| Capacity of bench dogs | 51" |
| Tail vise capacity | 7" |
| Shoulder vise capacity | 7" x 3 1/2" |
| Space between bench slots | 4 1/2" |
| Weight | 106# |



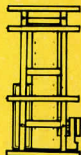
To fold the Lervad 610 woodworking bench for storage:



1. Lift the top from the underframe and lean against the wall.



2. Loosen the four plastic wingnuts which hold the leg frames to the centerframe. About 3/16" will permit the legs to be folded flat. Fold the legs.



3. Tighten wingnuts. The underframe will now remain flat during storage or when being moved.